


This is the statement of general policy and arrangements for:		Cleaning Enterprise Limited	
Guy Chesshire – Managing Director		has overall and final responsibility for health and safety	
Catherine Winterburn – Contracts Manager		has day-to-day responsibility for ensuring this policy is put into practice	
Statement of general policy	Responsibility of:	Action/Arrangements (What are you going to do?)	
Prevent accidents and cases of work-related ill health by managing the health and safety risks in the workplace	Guy Chesshire Managing Director	Relevant risk assessments completed and actions arising out of those assessments implemented. (Risk assessments reviewed when working habits or conditions change.)	
Provide clear instructions and information, and adequate training, to ensure employees are competent to do their work	Catherine Winterburn Contracts Manager	Staff and subcontractors given necessary health and safety induction and provided with appropriate training and personal protective equipment. We will ensure that suitable arrangements are in place to cover employees engaged in work remote from the main company site.	
Engage and consult with employees on day-to-day health and safety conditions	Guy Chesshire (MD) Catherine Winterburn (CM) All staff	Staff routinely consulted on health and safety matters as they arise but also formally consulted at regular health and safety performance review meetings or sooner if required.	
Implement emergency procedures – evacuation in case of fire or other significant incident. You can find help with your fire risk assessment at: https://www.gov.uk/workplace-fire-safety-your-responsibilities	Guy Chesshire Managing Director	Escape routes well signed and kept clear at all times. Evacuation plans are tested from time to time and updated as necessary.	
Maintain safe and healthy working conditions, provide and maintain plant, equipment and machinery, and ensure safe storage/use of substances	Catherine Winterburn Contracts Manager	Toilets, washing facilities and drinking water provided. System in place for routine inspections and testing of equipment and machinery and for ensuring that action is promptly taken to address any defects.	
Signed: * (Employer)		Date:	18 th March 2016

You should review your policy if you think it might no longer be valid, eg if circumstances change. If you have fewer than five employees, you don't have to write down your policy.

Health and safety law poster is displayed at (location)	Head office (and client sites under their H&S obligations)
First-aid box is located:	Client sites under their H&S obligations
Accident book is located:	Head office

Accidents and ill health at work reported under RIDDOR (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations) <http://www.hse.gov.uk/riddor>



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Chemical usage	Staff, client staff, contractors or visitors Injury from inhalation, ingestion, poisoning, dermatitis	2	3	6	Training/guidance, manual handling, PPE, clear labelling of chemicals, NO mixing of chemicals, COSHH information	1	3	3

L = Likelihood	S = Severity	RE = Risk Evaluation
1 - Remote	1 - No injury	1-6 = Low
2 - Unlikely	2 - Minor injury	
3 - Likely	3 - Lost time injury	7-14 = Medium
4 - Very likely	4 - Severe injury	15-25 = High
5 - Certain/imminent	5 - Fatality	

Assessment date	10 th July 2015
Review date	If significant change
Assessor	Guy Chesshire



Equipment requirements

Hazard warning signs
Personal Protective Equipment [blue gloves (optional), suitable footwear]
Corrected coloured cloth for area being cleaned
Scouring pad

Health & Safety

Wear Personal Protective Equipment (as above)
Visual check of equipment, ensuring no damage prior to use
Use chemicals as per guidance on containers and training provided
DO NOT mix chemicals
Use as little chemical as necessary
Spray chemical onto area to be cleaned i.e desk or worktop then wipe with damp cloth

Method

1. Put on Personal Protective Equipment
2. Use equipment as per colour coding chart
3. Ventilate area if possible (to disperse any fumes and facilitate drying time)
4. Clean area using a methodical pattern (figure of eight and overlapping strokes)
5. Use abrasive pad to remove stubborn marks
6. Leave surface as dry as possible
7. Clean equipment (after each use) and check for safety
8. Return equipment, materials and warning signs to store
9. Do not remove hazard warning signs until you are happy that you have removed the hazard



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Equipment issues	<i>Staff</i> Splinters/cuts, muscular aches, strains, hernia	3	3	9	Training/guidance manual handling, Pre-check of equipment ensure mop handle is long enough	2	3	6
Lifting Bending Carrying	<i>Staff</i> Back injury, aches, strains, hernia	3	3	9	Training/guidance, manual handling, PPE, larger buckets on wheels	2	3	6

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Equipment requirements

Hazard warning signs
Personal Protective Equipment [blue gloves (optional), suitable footwear]
Brush and brush handle
Dust pan and brush or vacuum, Abrasive pad, scraper (optional)

Health & Safety

Wear Personal Protective Equipment (as above)
Visual check of equipment, ensuring no damage prior to use
Do not overstretch
Do not leave equipment lying around
Ensure suitable non-slip footwear is worn

Method

1. Put on Personal Protective Equipment
2. Assemble and check equipment for safety (if using a wooden handle check for splinters, if a metal handle check that it is not damaged with sharp edges)
3. Place hazard warning signs in the area ensuring signs are visible
4. Use equipment as per colour coding chart
5. Clean area using a methodical pattern (with overlapping strokes), not walking over areas already cleaned
6. Use abrasive pad or scraper to remove stubborn marks or gum etc
7. Clear debris that has been swept up using dust pan and brush or vacuum (if clearing multiple rooms then clear dust after each room). Do not move dust from one room to another.
8. Clean equipment (after each use) and check for safety
9. Return equipment, materials and warning signs to store
10. Do not remove hazard warning signs until you are happy that you have removed the hazard



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Injury through work or attack on site and not being discovered	<i>Staff</i> Falls, shocks, illness, attack from intruders	3	4	12	Training/guidance manual handling, Pre-check of equipment. Logging in and out of Telelog	1	4	4

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Equipment requirements

Hazard warning signs
Personal Protective Equipment [blue gloves (optional), suitable footwear]
Equipment pre-check
Log in and out using Telelog system

Health & Safety

Wear Personal Protective Equipment (as above)
Visual check of equipment, ensuring no damage prior to use
Do not overstretch
Do not leave equipment lying around
Ensure suitable non-slip footwear is worn
Use of Telelog system is mandatory
Ensure site is secure when lone working.

Method

1. Ensure site is secure and site can be accessed in an emergency i.e. do not leave keys in locks
2. Use Personal Protective Equipment as per relevant Risk Assessment
3. Comply with all training
4. Log in to Telelog system on commencement of duty – tel: **0808 120 8371**
5. Log out of Telelog system on completion of duty – tel: **0808 120 8371**
6. Call office or duty manager if any Telelog system faults
7. Report any injury or illness
8. Clean equipment (after each use) and check for safety
9. Return equipment, materials and warning signs to store
10. Do not remove hazard warning signs until you are happy that you have removed the hazard



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Wet floor	<i>Staff, client staff, contractors or visitors</i> Slips, trips, falls, fractures, concussion	4	4	16	Training/guidance manual handling, PPE, Cleaning carried out 'out of hours' or in quiet periods	2	4	8
Equipment issues	<i>Staff</i> Muscular aches, strains, hernia	3	3	9	Training/guidance manual handling, Pre-check of equipment ensure mop handle is long enough	2	3	6
Lifting Bending Carrying	<i>Staff, client staff, contractors or visitors</i> Back injury, aches, strains, hernia	3	3	9	Training/guidance, manual handling, PPE, larger buckets on wheels	2	3	6
Chemical usage	<i>Staff, client staff, contractors or visitors</i> Injury from inhalation, ingestion, poisoning, dermatitis	3	5	15	Training/guidance, manual handling, PPE, clear labelling of chemicals, NO mixing of chemicals, COSHH information	1	5	5

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Equipment requirements

Hazard warning signs
Personal Protective Equipment [blue gloves (optional), suitable footwear]
Mop and mopping bucket with wringer
Scouring pad

Health & Safety

Wear Personal Protective Equipment (as above)
Visual check of equipment, ensuring no damage prior to use
Use chemicals as per guidance on containers and training provided
DO NOT mix chemicals
Use as little water as necessary (well rung out mop)
Do not overstretch
Ensure suitable non-slip footwear is worn
Working out of hours is best practice, where it is not possible mopping should be completed in quiet times under agreement of client.

Method

1. Put on Personal Protective Equipment
2. Assemble and check equipment for safety
3. Place hazard warning signs in the area ensuring signs are visible
4. Use equipment as per colour coding chart
5. Ventilate area if possible (to disperse any fumes and facilitate drying time)
6. Clean area using a methodical pattern (figure of eight and overlapping strokes), not walking over areas already cleaned
7. Use abrasive pad to remove stubborn marks
8. Ensure bucket is behind the line of work
9. When wringing mop stand close to bucket and wringer and as close as possible and press down firmly keeping back straight and do not press to hard.
10. Change cleaning solution when dirty following the usage instructions on the chemical container label
11. Leave floor as dry as possible
12. Clean equipment (after each use) and check for safety
13. Return equipment, materials and warning signs to store
14. Do not remove hazard warning signs until you are happy that you have removed the hazard



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Cleaning machine Lead/cable	Staff, client staff, contractors or visitors Slips, trips, falls, fractures, concussion	4	4	16	Training/guidance manual handling, PPE	2	4	8
Electrical (240v) vacuum cleaning machine	Staff, client staff, contractors or visitors Shocks, burns, fire, death	3	5	15	Pre-check of equipment Regular portable appliance test (PAT) by authorised person	2	5	10
Lifting Bending Carrying	Staff, client staff, contractors or visitors Back injury, aches, strains, hernia	4	3	12	Training/guidance, manual handling, PPE	2	3	6

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Equipment requirements

Hazard warning signs
Personal Protective Equipment [blue gloves (optional), suitable footwear]
Suction (vacuum) cleaner and attachments

Health & Safety

Wear Personal Protective Equipment (as above)
Visual check of electrical equipment, particularly plugs and cables prior to use
Do not plug in the machine until it is assembled and is ready for use
Do not overstretch cable, use extension of required
Do not use standard vacuum cleaners in damp/wet conditions

Method

1. Put on Personal Protective Equipment
2. Assemble and check equipment for safety
3. Place hazard warning signs in the area ensuring signs are visible
4. Adjust height of brush/beater bar to suit surface being cleaned
5. Pick up any large or sharp items within dustpan and brush before suction cleaning and place into a plastic sack
6. Insert circuit breaker into power socket before inserting a machine plug (if applicable)
7. Insert plug into unused socket. Do not remove any plug from a used socket
8. Cover area systematically, giving more attention to heavily trafficked areas, edges and corners
9. Remove plug from power socket and recoil machine cable. Replace floor mounted socket coverings (if used) so that they are flat and not a trip hazard
10. Clean equipment and check for safety
11. Return equipment, materials and warning signs to store
12. Do not remove hazard warning signs until you are happy that you have removed the hazard



Hazards	Who is affected and how	Pre control Risk			Existing measures	Post control Risk		
		L	S	RE		L	S	RE
Wet floor	<i>Staff, client staff, contractors or visitors</i> Slips, trips, falls, fractures, concussion	4	4	16	Training/guidance manual handling, PPE, Cleaning carried out 'out of hours' or in quiet periods	2	4	8
Equipment issues	<i>Staff</i> Muscular aches, strains, hernia	3	3	9	Training/guidance manual handling, Pre-check of equipment ensure mop handle is long enough	2	3	6
Lifting Bending Carrying	<i>Staff, client staff, contractors or visitors</i> Back injury, aches, strains, hernia	3	3	9	Training/guidance, manual handling, PPE, larger buckets on wheels	2	3	6
Infection	<i>Staff, client staff, contractors or visitors</i> Infection from germs especially from sanitary wear	3	3	9	Training/guidance, PPE, colour coding of equipment	2	3	6
Chemical usage	<i>Staff, client staff, contractors or visitors</i> Injury from inhalation, ingestion, poisoning, dermatitis	3	5	15	Training/guidance, manual handling, PPE, clear labelling of chemicals, NO mixing of chemicals, COSHH information	1	5	5

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Equipment requirements

Hazard warning signs
 Personal Protective Equipment [blue gloves (optional), suitable footwear]
 Cloths (RED)
 Scouring pad
 Toilet rolls
 Toilet brush (usually located in WC)
 Mop and mopping bucket with wringer (RED)

Health & Safety

Wear Personal Protective Equipment (as above)
 Visual check of equipment, ensuring no damage prior to use
 Use chemicals as per guidance on containers and training provided
 DO NOT mix chemicals. DO NOT use bleach in any circumstances (often reacts with other chemicals and can give off chlorine gas)
 Do not splash walls and fixtures
 Use as little water as necessary (well rung out mop)
 Use designated colour for sanitary wear (RED), do not cross contaminate with other areas
 Do not use abrasive items as scratches may harbour harmful bacteria
 Do not overstretch
 Ensure suitable non-slip footwear is worn
 Working out of hours is best practice, where it is not possible mopping should be completed in quiet times under agreement of client.

Method

1. Put on Personal Protective Equipment
2. Assemble and check equipment for safety
3. Place hazard warning signs in the area ensuring signs are visible
4. Use equipment as per colour coding chart

Toilets

- 1) Flush toilets with seat lids closed
- 2) Reveal water line by pushing back water in toilet bowls with a toilet brush
- 3) Apply toilet cleaner to inside of toilet bowls, including under rims and allow to soak
- 4) With daily washroom cleaner and colour coded cloth (RED) immersed and wrung out, wipe outside and around toilet roll holders, pipework, cisterns and handles, toilet seat lids, top and underneath the hinges, toilet, working from clean to dirty

- 5) Scrub inside toilet bowls with toilet brush, particularly any stains, water lines and under rims
- 6) Flush toilets, rinsing toilet brush in flushing water
- 7) Wipe brush holder and replace brush in holder
- 8) Dry toilet seats with cloth, then close lids
- 9) Remove any splashes or marks from walls and wipe door handles
- 10) Check and replenish toilet paper, if necessary
- 11) Clean equipment and check for safety

Urinals

- 1) Flush, then turn off automatic flushing system, if applicable
- 2) Clear waste outlets and urinal channels
- 3) With daily washroom cleaner and colour coded cloth (RED) immersed and wrung out, wipe surrounding surfaces including cistern and pipework, starting at the highest point, working from clean to dirty
- 4) Apply toilet cleaner to entire face of urinal and wipe clean. Use toilet brush inside urinals, paying particular attention to water marks and drains
- 5) Rinse toilet brush, then urinals with clean hot water. Repeat until clean
- 6) Remove any splashes or marks from walls and wipe handles
- 7) Turn on automatic flushing system, if applicable
- 8) Clean equipment and check for safety

Hand wash basins






- 1) With colour coded cloth (RED) immersed and wrung out, wipe surrounding surfaces including wall tiles, ledges, pipes, waste bin and underneath basin, working from clean to dirty
- 2) Remove any objects, eg soap from basin
- 3) Remove hair or other items from plug, plughole and chain
- 4) Wipe inside of bowl, including plug, plughole and chain, taps and overflow
- 5) Wring out cloth and polish stainless steel or chrome
- 6) Replace items removed and replenish soap if necessary and paper towel dispenser, where fitted
- 7) Remove any splashes or marks from walls and wipe handles
- 8) Clean equipment and check for safety

Washroom furniture

- 1) Clean mirrors and polish dry
- 2) Clean cubicles and splash backs
- 3) Clean dispensers and bins
- 4) Clean equipment and check for safety
- 5) Return equipment and warning signs to cleaning cupboard and close ventilation, if appropriate.

Are you using the following recommended colour chart for your cleaning?

We use different colour cloths and equipment in order to prevent cross contamination between the different areas that we are cleaning. Know your stuff and follow the guide.

Blue	General lower risk areas: e.g. Office furniture	
Green	General food and bar use: e.g. Workplace kitchens and canteens	
Red	General washrooms: e.g. customer and visitor toilets	
Red and white	Best practice for sanitary appliances: e.g. toilet bowls Any derivations of red and white	
Yellow	Clinical: e.g. healthcare use (disposable recommended for best practice)	
White	Bespoke or Site Specific	

If you need cloths, ask!

Remember, you can clean your cloths in a normal washing machine.

SR24

COSHH essentials for service and retail

Storing chemical products (small scale)

Control approach 1 General ventilation



This information will help employers (including the self-employed and franchisees) comply with the Control of Substances Hazardous to Health Regulations 2002 (COSHH), as amended, to control exposure and protect workers' health.

It is also useful for trade union safety representatives.

This sheet describes good practice using general ventilation.

It covers the points you need to follow to reduce exposure to an adequate level.

It is important to follow all the points, or use equally effective measures.

Some chemicals can be flammable, so your controls must suit those hazards too. Look at the safety data sheet for more information.

Main points

- Safe storage - segregate chemicals that might react together, and contain spills from burst containers.
- Check that all the controls are being used properly.

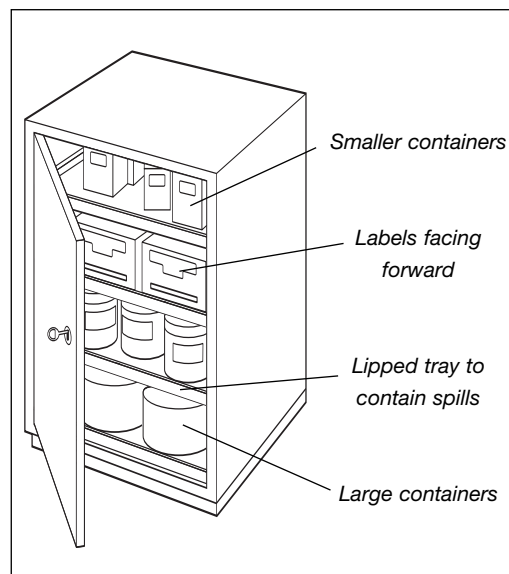
Access and premises

- ✓ Ensure that only trained workers have access to stored chemical products. Keep the storage container locked.
- ✓ Provide good washing facilities.

Equipment

- ✓ Keep the store area well ventilated; 5-10 air changes per hour with a through draught.
- ✓ Keep a spill clean up kit nearby. Ask your supplier for advice.

Caution: Never decant concentrate into an unlabelled container. Never re-use a concentrate container. Dispose of it safely or return it to the supplier. Don't store more than 50 litres of flammable liquid indoors. Use a flammables store.



Personal protective equipment (PPE)

- ✓ Follow the instructions on product labels.
- ✓ Ask your safety-clothing supplier to help you get the right PPE.
- ✓ You may need respiratory protective equipment (RPE) in case of a spill. Seek advice from your RPE supplier.
- ✓ Provide protective gloves - single-use nitrile gloves are acceptable. If you must use latex gloves, use only 'low-protein, powder-free' gloves.
- ✓ Throw away single-use gloves every time they are taken off.

Procedures

- ✓ Keep apart:
 - solid and liquid products;
 - flammable and non-flammable liquids;
 - acids and alkalis; and
 - wastes.
- ✓ Store products containing chemicals securely in a cool, dry, dark place, capable of keeping in spills. Don't store far more than you need.

- ✓ Store containers so their labels face forwards.
- ✓ Store heavier items and corrosive chemicals on lower shelves.
- ✓ Ensure that containers are easy to pour from, don't dribble, and don't trap liquid in a rim.
- ✓ Try to buy solid chemicals in tablet form, or in a wide-necked container such that it is easy to scoop out granules.

Caution: Never store chemicals in open containers.

Special Care

- ✓ Contact with many chemicals can lead to skin soreness and itching, rashes, blistering (dermatitis). Some can also damage the eyes.

Cleaning and housekeeping

- ✓ Keep the storage area clean and well organised.
- ✓ Clear up spills immediately. Absorb liquids in granules. Scoop solids or absorbed liquids into a marked secure container. Practise how to do this.
- ✓ Dispose of hazardous waste through a specialist contractor.

Training and supervision

- ✓ Tell workers about the risks of using the product - see products labels or Section 15 of the safety data sheet.
- ✓ If products can cause skin or eye damage, plan how to give first aid.
- ✓ Working in the right way and using the controls correctly is important for exposure control. Train and supervise workers. See sheet SR0.

Useful links

- HSE priced and free publications are available from HSE Books
Tel: 01787 881165 Website: www.hsebooks.co.uk.
- For information about health and safety ring HSE's Infoline Tel: 0845 345 0055 Textphone: 0845 408 9577 e-mail: hse.infoline@natbrit.com.
- Contact the British Occupational Hygiene Society (BOHS) on 01332 298101 or at www.bohs.org for lists of qualified hygienists who can help you.

Employee checklist

- ☐ If you find any problems, tell your supervisor. Don't just carry on working.
- ☐ Clear up spills straight away. Absorb spills in granules and put them in a lidded bin.
- ☐ Wash your hands after use, and before and after eating, drinking, smoking and using the lavatory.
- ☐ Never clean your hands with concentrated cleaning products or solvents.

This guidance is issued by the Health and Safety Executive. Following the guidance is not compulsory and you are free to take other action. But if you do follow the guidance you will normally be doing enough to comply with the law. Health and safety inspectors seek to secure compliance with the law and may refer to this guidance as illustrating good practice.

APEAL

DAILY WASHROOM CLEANER

- **Four way cleaning action**
- **Cleans and revitalises fixtures and fittings**
- **Creates a pleasant apple aroma in use**

A ready-to-use total toilet and washroom cleaner, which boasts a 4-in-1 cleaning operation: cleans, descales, deodorises and disinfects.

USES

APEAL incorporates a fresh apple fragrance and a unique rinse additive which reduces water spotting and enhances the appearance of washroom surfaces.

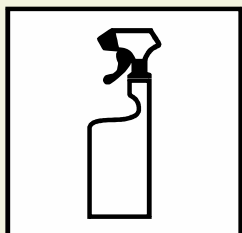
Ideal to clean, deodorise, descale and disinfect toilets, urinals, baths, sinks, bidets, showers, tiles and all fixtures and fittings.

DIRECTIONS

Apply APEAL undiluted to the surface. Agitate for maximum effect and rinse or wipe away for a sparkling, streak free finish. APEAL is formulated at an exact strength for application and should be used on a daily basis.

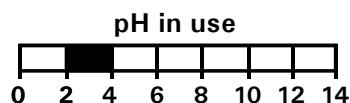
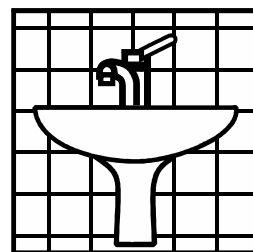
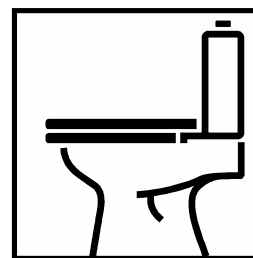
N.B. DO NOT USE ON VITREOUS ENAMEL.

Use biocides safely. Always read the label and product information before use.



CLOVER 
CHEMICALS LTD
'Effective Cleaning Chemicals'
www.cloverchemicals.com

Code: 251



PACK SIZES



750ml



5L



SAFETY DATA SHEET

APEAL

Page: 1

Compilation date: 01/08/2008

Revision date: 17/10/2013

Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: APEAL

Product code: 251

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

Safety phrases: S2: Keep out of the reach of children.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

[cont...]

SAFETY DATA SHEET

APEAL

Page: 2

Precautionary phrases: Use biocides safely. Always read the label and product information before use.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-961-6	112-34-5	Xi: R36	Eye Irrit. 2: H319	1-10%

C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

POLYMER	9043-30-5	Xn: R22; Xi: R41	Eye Dam. 1: H318; Acute Tox. 4: H302	1-10%
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3 - BUTOXYPROPAN - 2 - OL

225-878-4	005131-66-8	Xi: R36/38	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%
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QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

264-151-6	63449-41-2	Xn: R21/22; C: R34; N: R50	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately.
Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

[cont...]

SAFETY DATA SHEET

APEAL

Page: 3

5.1. Extinguishing media

Extinguishing media: Water. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area.

Suitable packaging: Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m3	101.2 mg/m3	-	-

[cont...]

SAFETY DATA SHEET

APEAL

Page: 4

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Pleasant

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Relative density: 0.97 - 1.07

pH: 2 - 3

VOC g/l: 17

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

SAFETY DATA SHEET

APEAL

Page: 5

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

ORL	RAT	LD50	1.5	g/kg
-----	-----	------	-----	------

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

IVN	MUS	LD50	16	mg/kg
ORL	MUS	LD50	150	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

-	96H LC50	>1	mg/l
---	----------	----	------

3 - BUTOXYPROPAN - 2 - OL

-	48H EC50	>1000	mg/l
GUPPIES	96H LC50	560-1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

[cont...]

SAFETY DATA SHEET

APEAL

Page: 6

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.
R21/22: Harmful in contact with skin and if swallowed.
R22: Harmful if swallowed.
R34: Causes burns.
R36/38: Irritating to eyes and skin.
R36: Irritating to eyes.
R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and

[cont...]

SAFETY DATA SHEET

APEAL

Page: 7

shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

AX

READY-TO-USE CLEANER AND DISINFECTANT

- ECOLOGICAL - TRECOS ACCREDITED

- Kills MRSA
- Non-tainting - safe for the food industry
- Kills 99.999% of bacteria - passes BS EN 1276

A fast-drying, spray on and wipe off bactericidal cleaner for the food industry.

Kills 99.999% of bacteria (Passes BS EN 1276 :1997).

Contact time: 60 seconds * Conditions: Clean Kill Rate: 99.999%

Contact time: 5 Minutes Conditions: Dirty Kill Rate: 99.999%

Certificate: Hurd Mundy Richardson Ltd - Certificate No: 07/00570

Effective against MRSA (Passes BS EN 1276:1997).

Contact time: 5 Minutes Conditions: Clean & Dirty Kill Rate: 99.999%

Certificate: MgsLaboratories - Certificate No: MGS: 13470 / SO No: 1258

* For heavily soiled areas, clean surfaces with AX and then re-apply AX to sanitise.



USES

Designed for regular use on all hard surfaces to maintain clean and hygienic conditions.

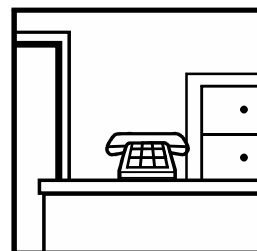
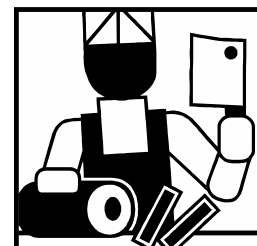
Ideal for cleaning all water resistant surfaces, such as; glass, aluminium, stainless steel, rubber, ceramic, plastic and tiled surfaces.

Kitchens: Work surfaces, fridges, chillers, microwaves, shelves, draining boards, sinks, etc.

Food Industry: Conveyors, preparation surfaces, sneeze screens, trolleys, shelves, equipment, etc.

Bars/restaurants: Tables, counters, bars, etc.

Other areas: Door handles, finger plates, communal equipment.

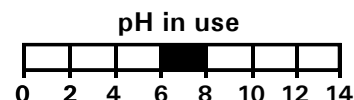
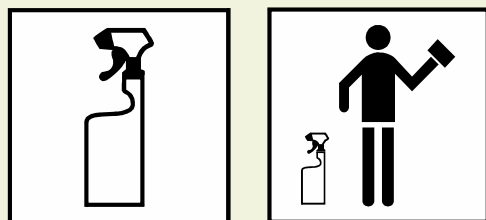


DIRECTIONS

Do not dilute this product.

Spray onto the surface, agitate if required and wipe dry with a clean cloth or paper towel.

Use biocides safely. Always read the label and product information before use.



PACK SIZES



750ml



5L

DILUTIONS

Do not dilute this product.



SAFETY DATA SHEET

AX

Page: 1

Compilation date: 01/08/2008

Revision date: 01/05/2015

Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: AX

Product code: 242

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements:

Precautionary statements: P102: Keep out of reach of children.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[cont...]

SAFETY DATA SHEET

AX

Page: 2

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	1-10%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
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QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

270-325-2	68424-85-1	-	Met. Corr. 1: H290; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Acute Tox. 4: H302	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately.
Transfer to hospital as soon as possible.

Inhalation: Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

[cont...]

SAFETY DATA SHEET

AX

Page: 3

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Stainless steel. Teflon. Glass. Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m3	-	-	-

[cont...]

SAFETY DATA SHEET

AX

Page: 4

PROPAN-2-OL

UK	999 mg/m3	1250 mg/m3	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. Rubber gloves.

Eye protection: Ensure eye bath is to hand.

Skin protection: Not applicable.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Ethanol.

Viscosity: Non-viscous

Boiling point/range°C: 98

Flammability limits %: lower: Not applicable.

Flash point°C: Not applicable.

Autoflammability°C: Not applicable.

Relative density: .983

VOC g/l: 100

Melting point/range°C: -4

upper: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Vapour pressure: Not applicable.

pH: 6 - 8

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

[cont...]

SAFETY DATA SHEET

AX

Page: 5

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

ORAL	RAT	LD50	795	mg/kg
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Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

Daphnia magna	48H EC50	.016	mg/l
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[cont...]

SAFETY DATA SHEET

AX

Page: 6

GREEN ALGA (Selenastrum capricornutum)	72H ErC50	.026	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	.85	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H290: May be corrosive to metals.

[cont...]

SAFETY DATA SHEET

AX

Page: 7

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

BRITE

CLOVER 
CHEMICALS LTD
'Effective Cleaning Chemicals'
www.cloverchemicals.com

WINDOW, MIRROR AND PLASTIC CLEANER

- *Sparkling finish - streak free and smear free*
- *Cuts through grease and grime fast*
- *Biodegradable and phosphate free*

A ready-to-use glass and plastic cleaner, which cuts through grease and dirt to leave a streak- and smear-free, sparkling finish.

USES

Free from ammonia and abrasives, Brite ensures effective cleaning without unsightly chalk deposits.

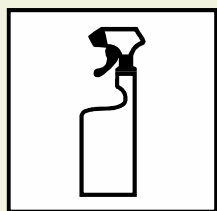
Brite cleans windows, double glazing, mirrors, glass, display units, glass shelves, VDU screens, ceramic tiles, stainless steel and aluminium. It can also be used to clean white goods such as fridges, freezers, dishwashers, etc.

Suitable for use in a wide variety of establishments including offices, schools, shops, museums, hotels, etc. Also suitable for use in the automotive industry for the cleaning of glass and plastic car parts.

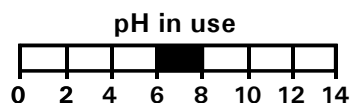
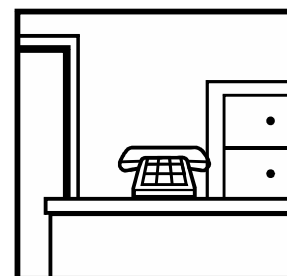
DIRECTIONS

Spray neat onto the surface to be cleaned and wipe with a clean, lint-free cloth. Alternatively, wet a cloth, cotton bud or other lint-free material with Brite and clean the soiled area. Then wipe to a clean, dry finish.

N.B. Do not spray onto electrical components of appliances.



Code: 701



PACK SIZES



SAFETY DATA SHEET

BRITE

Page: 1

Compilation date: 01/08/2012

Revision date: 28/03/2015

Revision No: 8

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: BRITE

Product code: 701

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements:

Precautionary statements: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET

BRITE

Page: 2

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
225-878-4	005131-66-8	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%

ETHANOL

200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	1-10%
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PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Rinse skin with water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately.
Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide.

[cont...]

SAFETY DATA SHEET

BRITE

Page: 3

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Suitable packaging: Stainless steel. Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-	-	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

[cont...]

SAFETY DATA SHEET

BRITE

Page: 4

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 99

Flammability limits %: lower: Not applicable.

Flash point°C: Not applicable.

Autoflammability°C: Not applicable.

Relative density: 0.992

VOC g/l: 96

Melting point/range°C: -1

upper: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Vapour pressure: Not applicable.

pH: 7

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

SAFETY DATA SHEET

BRITE

Page: 5

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

ORAL	RAT	LD50	2700	mg/kg
------	-----	------	------	-------

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

-	48H EC50	>1000	mg/l
GUPPIES	96H LC50	560-1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

SAFETY DATA SHEET

BRITE

Page: 6

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

FLOORit



Floor Cleaner

- **Neutral formulation for safety on all surfaces**
- **Fresh, lemon fragrance**
- **Dries quickly to a smear-free finish**

USES

A neutral, green floor cleaner which is suitable for use on all hard floors. When applied, Floorit is low foaming and leaves a fresh, lemony fragrance after use.

With a sophisticated self-levelling formulation, Floorit dries quickly and evenly over the surface of the floor without leaving patches or smears. This makes its application quicker and easier than that of other floor cleaners, as the drying time is cut by up to a half.

Floorit is safe for use on all hard floors including polished floors, marble, linoleum, wood, PVC, concrete, tiles and laminate floors.

DIRECTIONS

Apply diluted solution using a mop or trigger spray, mop over the surface and then leave to dry.

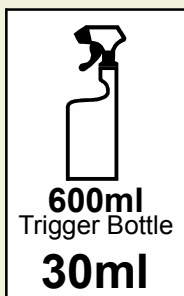


Mopping



Spray
Mopping

DILUTIONS



Dilute with hot or cold water.

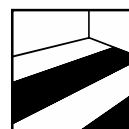
CLOVER
CHEMICALS LTD

'Effective Cleaning Chemicals'

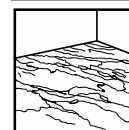
www.cloverchemicals.com

Clover House | Macclesfield Road | Whaley Bridge | High Peak | SK23 7DQ
Tel: +44 (0)1663 733 114

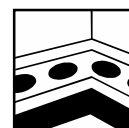
Code: 498



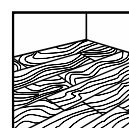
PVC/Vinyl



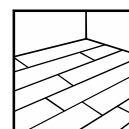
Marble



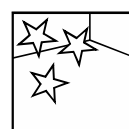
Linoleum



Wood



Laminate



Polished
Floors

pH in use



PACK SIZES



5L



SAFETY DATA SHEET

FLOORIT

Page: 1

Compilation date: 01/08/2008

Revision date: 25/03/2015

Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: FLOORIT

Product code: 498

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318

Most important adverse effects: Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

[cont...]

SAFETY DATA SHEET

FLOORIT

Page: 2



Precautionary statements: P102: Keep out of reach of children.
P280: Wear eye protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical attention.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	69011-36-5	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: No symptoms.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

[cont...]

SAFETY DATA SHEET

FLOORIT

Page: 3

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Suitable packaging: Stainless steel. Teflon. Glass. Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Eye protection: Safety glasses. Ensure eye bath is to hand.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Green

Odour: Sweet-smelling

Evaporation rate: Moderate

[cont...]

SAFETY DATA SHEET

FLOORIT

Page: 4

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: 1.015

pH: 7

VOC g/l: 0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

ORAL	RAT	LD50	500-2000	mg/kg
------	-----	------	----------	-------

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: No symptoms.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

[cont...]

SAFETY DATA SHEET

FLOORIT

Page: 5

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

FISH	96H LC50	1-10	mg/l
------	----------	------	------

12.2. Persistence and degradability

Persistence and degradability: Biodegradable. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

[cont...]

SAFETY DATA SHEET

FLOORIT

Page: 6

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H318: Causes serious eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

SPRAY & WIPE

FRAGRANT CLEANER AND DISINFECTANT

- **Kills MRSA**
- **Fresh, floral fragrance**
- **Kills 99.999% of bacteria (passes BS EN 1276:1997)**

A ready-to-use cleaner and disinfectant with a floral fragrance.

Kills 99.999% of bacteria (Passes BS EN 1276 :1997).

Contact time: 5 Minutes **Conditions:** Dirty **Kill Rate:** 99.999%

Certificate: Herd Mundy Richardson Ltd - Certificate No: 07/00575

Effective against MRSA (Passes BS EN 1276:1997).

Contact time: 5 Minutes **Conditions:** Clean & Dirty **Kill Rate:** 99.999%

Certificate: MgsLaboratories - Certificate No: MGS: 13473 / SO No: 1258

CLOVER 
CHEMICALS LTD
'Effective Cleaning Chemicals'
www.cloverchemicals.com



USES

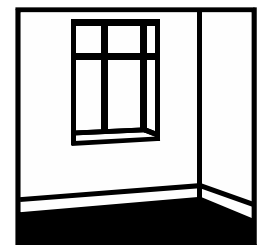
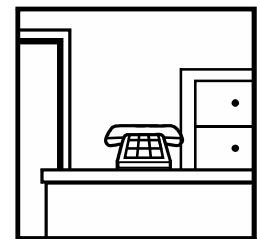
Designed for daily use to maintain clean and hygienic conditions.

Care sector: Cleaning and disinfecting tables, door handles, bedsteads, hand rails, mobility equipment, etc.

Leisure centres: Disinfecting sports equipment, sunbeds and surfaces in changing rooms, saunas, steam rooms, etc.

Bar and catering: Wiping down tables and bar tops.

Offices: Cleaning and sanitising desks, tables, telephones, keyboards, door handles, finger plates, etc.



DIRECTIONS

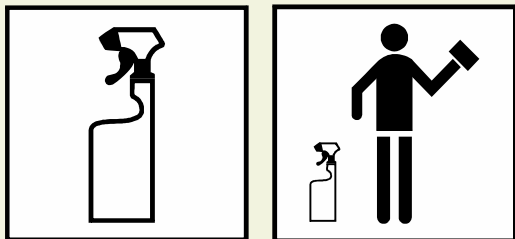
As a neutral product, Spray & Wipe can be used safely on any water washable hard surface.

Do not dilute this product.

Spray onto the surface, agitate and wipe or rinse clean.

For cleaning more awkward surfaces (e.g. keyboards, telephones), spray product onto the cloth and then wipe the surface.

Use biocides safely. Always read the label and product information before use.

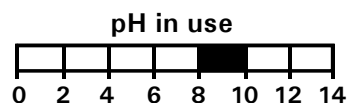


DILUTIONS

Do not dilute this product.

Code: 211

PCS Number: 94908



PACK SIZES



750ml

5L



SAFETY DATA SHEET

SPRAY AND WIPE

Page: 1

Compilation date: 01/08/2008

Revision date: 20/01/2015

Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SPRAY AND WIPE

Product code: 211

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

[cont...]

SAFETY DATA SHEET

SPRAY AND WIPE

Page: 2



Precautionary statements: P102: Keep out of reach of children.
P280: Wear eye protection.
P264: Wash hands thoroughly after handling.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical attention.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
225-878-4	005131-66-8	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

270-325-2	68424-85-1	-	Met. Corr. 1: H290; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Acute Tox. 4: H302	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

[cont...]

SAFETY DATA SHEET

SPRAY AND WIPE

Page: 3

5.1. Extinguishing media

Extinguishing media: Water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Suitable packaging: Stainless steel. Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Eye protection: Safety glasses. Ensure eye bath is to hand.

[cont...]

SAFETY DATA SHEET

SPRAY AND WIPE

Page: 4

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Sweet-smelling

Evaporation rate: Moderate

Oxidising: Not applicable.

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: 0.97 - 1.07

pH: 9

VOC g/l: 25

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

SAFETY DATA SHEET

SPRAY AND WIPE

Page: 5

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

ORAL	RAT	LD50	2700	mg/kg
------	-----	------	------	-------

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

ORAL	RAT	LD50	795	mg/kg
------	-----	------	-----	-------

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

3 - BUTOXYPROPAN - 2 - OL

-	48H EC50	>1000	mg/l
GUPPIES	96H LC50	560-1000	mg/l

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

Daphnia magna	48H EC50	.016	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	.026	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	.85	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

SAFETY DATA SHEET

SPRAY AND WIPE

Page: 6

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and s.3: H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

ACIDIC TOILET AND WASHROOM CLEANER

- Cleans, descales and disinfects in one operation
- Viscous liquid clings to surfaces for effective cleaning
- Safe on stainless steel
- Kills 99.999% of bacteria (passes BS EN 1276:1997 at 1:50)

Bactericidal toilet and washroom cleaner. STC is used neat for descaling toilets and urinals or as a diluted solution for general washroom cleaning.

USES

The thick blue liquid contains safe sulphamic and citric acids to dissolve limescale and organics and remove grease, body oils and scum from surfaces.

Ideal for cleaning toilets, urinals, showers and sinks, STC is safe for use on stainless steel.

Safe on porcelain, stainless steel, chrome, ceramic and tiled surfaces when used as directed.

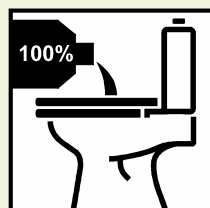
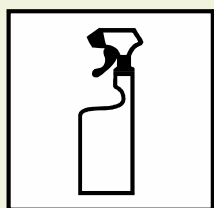
DIRECTIONS

Spray or pour on to soiled surface, leave for a few minutes contact time. Then flush away thoroughly with water. Agitation with a brush will help remove stubborn stains.

CLEANING CHROME

Dilute 1 part to 40 parts of cold or hand hot water. Apply to the surface, agitate and rinse thoroughly with clean water.

N.B. DO NOT USE ON VITREOUS ENAMEL OR ACID SENSITIVE SURFACES

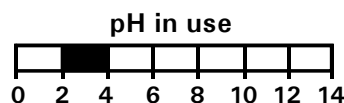
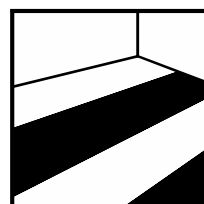
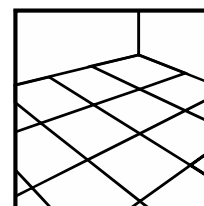
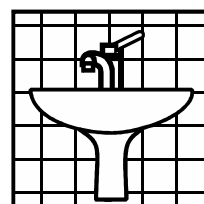
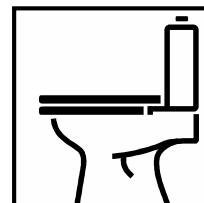


Use biocides safely. Always read the label and product information before use.

DILUTIONS

STC:WATER		
Heavy Soil Undiluted	Medium Soil 1:5	Light Soil 1:10

Code: 510



PACK SIZES



1L



5L



SAFETY DATA SHEET

STC

Page: 1

Compilation date: 16/08/2010

Revision date: 08/02/2012

Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: STC

Product code: 510

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

1.4. Emergency telephone number

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R36; -: R52/53

Most important adverse effects: Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Irritant.



[cont...]

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Risk phrases: R36: Irritating to eyes.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SULPHAMIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
226-218-8	5329-14-6	Xi: R36/38; -: R52/53	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412	1-10%

(Z)-OCTADEC-9-ENYLAMINE, ETHOXYLATED

-	26635-93-8	Xn: R22; C: R34; N: R50/53	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Transfer to hospital as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

[cont...]

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4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel.
Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Suitable packaging: Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

[cont...]

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8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Hand protection: Impermeable gloves. Gloves (acid resistant).

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Sweet-smelling

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: 1.045

pH: 1% = 2 - 2.5

VOC g/l: 0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

[cont...]

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

SULPHAMIC ACID

IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	3160	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain.
The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

[cont...]

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Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R22: Harmful if swallowed.

R34: Causes burns.

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.