



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

TECH KLEEN

Revision 1
Revision date 2015-07-01

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

1.1. Product identifier

Product name TECH KLEEN

1.3. Details of the supplier of the safety data sheet

Company	Astral CSL
Address	Pilkington Industrial Estate Rake Lane Swinton M27 8LP
Web	www.astralcsl.com
Telephone	0044 (0) 161 643 0260
Fax	0044 (0) 870 199 2072
Email	info@astralcsl.com
Email address of the competent person	r.murie@astralcsl.com

1.4. Emergency telephone number

Emergency telephone number	0044 (0) 7725 123 546
Company	Roger Murie

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/E C	C; R35 Symbols: C: Corrosive.
Main hazards	Causes severe burns.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314; Aquatic Chronic 3: H412;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

TECH KLEEN

Revision 1

Revision date 2015-07-01

2.2. Label elements

Precautionary Statement: Storage Precautionary Statement: Disposal	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
	P405 - Store locked up.
	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Quaternary Amonium Compound, Benzyl-C12-14					0 - 0.5%	C; R34 Xn; R22 N; R50	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	C; R35	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Quaternary Amonium Compound, Benzyl-C12-14					0 - 0.5%	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	Skin Corr. 1A: H314;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove the affected person from the source of contamination immediately. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention if irritation or symptoms persist. Drink 1 to 2 glasses of water.

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

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Not applicable. Use extinguishing media appropriate to the surrounding fire conditions.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Do not allow product to enter drains. Dilute with water.
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SECTION 7: Handling and storage

7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and dry. Store in a cool, dry area.
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TECH KLEEN

Revision 1

Revision date 2015-07-01

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1. Exposure Limit Values**

Sodium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	WEL 8-hr limit mg/m3 total -	WEL 15 min limit mg/m3 total -
	inhalable dust: -	inhalable dust: -
	WEL 8-hr limit mg/m3 total -	WEL 15 min limit mg/m3 total -
	respirable dust: -	respirable dust: -

8.2. Exposure controls

8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Apply a barrier cream before handling the product. Appropriate respiratory protection. Avoid contact with eyes and skin. Use appropriate personal protective equipment.
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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Aqueous solution
Colour	Colourless
Odour	Characteristic
pH	12 - 13.5
Solubility	Soluble in water

SECTION 10: Stability and reactivity**10.2. Chemical stability**

	Stable under normal conditions.
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10.6. Hazardous decomposition products

	No Significant Hazard. Hazardous decomposition products.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Skin corrosion/irritation	May cause irritation to skin, eyes and mucous membranes.
Respiratory or skin sensitisation	May cause irritation to skin in susceptible persons.
Repeated or prolonged exposure	May cause degreasing of the skin. May cause irritation to eyes and respiratory system. Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information**12.1. Toxicity**

Quaternary Amonium Compound, Benzyl-C12-14	Daphnia EC50/48h: 0.0160 mg/l	Algae IC50/72h: 0.0300 mg/l
	Fish LC50/96h: 0.5150 mg/l	

SECTION 13: Disposal considerations**Disposal methods**

	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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SECTION 14: Transport information

TECH KLEEN

Revision 1

Revision date 2015-07-01

Hazard pictograms



14.1. UN number

UN1760

14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code F-A S-B

IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 14 - ADR/RID. 14 - IMDG. 14 - IATA.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R50 - Very toxic to aquatic organisms.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Aquatic Acute 1: H400 - Very toxic to aquatic life.

TECH KLEEN

Revision 1

Revision date 2015-07-01

Other information

	Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
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