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PURESEAL CLINGFILM PRO

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: PureSeal ClingFilm Pro

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

Application of the substance/the mixture:

Professional Grade Hard Surface Cleaner And Stain Remover

1.3 Details of the supplier of the safety data sheet:

PureSeal Services UK Ltd

Basford Old Creamery

Newcastle Road

Chorlton

Crewe

CW2 5NQ

Phone: (UK) 0333 577 8086

E: info@puresealservices.co.uk,

W: www.puresealservices.co.uk

1.4 Emergency telephone number:

+44 0333 5778086 (24-hour)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and Chemical Hazards Met. Corr. 1 - H290 Human health: EUH031;Skin Corr. 1B - H314 Environment: Aquatic Acute 1 - H400;Aquatic Chronic 2 - H411
Classification (EC 1272/2008)	C;R34. N;R50. R31. The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.
Human health	Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Corrosive to skin and eyes.
Environment	The product contains a substance which is very toxic to aquatic organisms.
Physical and Chemical Hazards	Contact with acids liberates toxic chlorine gas Product may be corrosive to some metals

2.2 Label elements

EC No. 231-668-3

Contains Sodium hypochlorite

Label In Accordance With (EC) No. 1272/2008

Hazard Pictograms	 
Signal word	Danger

Hazard Statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P305+351+338	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 or doctor/physician.
Supplementary Precautionary Statements	P260	Do not breathe vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P363	Wash contaminated clothing before reuse.
	P390	Absorb spillage to prevent material damage.
	P391	Collect spillage.
	P405	Store locked up.
	P406	Store in corrosive resistant/... container with a resistant inner liner.
	P501	Dispose of contents/container in accordance with national regulations.
Supplemental label information	EUH031	Contact with acids liberates toxic gas.

2.3 Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

SODIUM HYPOCHLORITE: 5.0%

CAS-No.: 7681-52-9	EC No.: 231-668-3
Classification (EC 1272/2008) Met. Corr. 1 - H290 EUH031 Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC) C;R34. N;R50. R31.

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration number	01-2119488154-34
CAS-No.	7681-52-9
EC No.	231-668-3
Gross Formula	NaOCl + NaCl

N,N-dimethyltetradecylamine N-oxide: 25.0%

CAS-No.: 1310-73-2	EC No.: 215-185-5
Classification (EC 1272/2008) Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	(REACH-no) 01-2119949262-37

COMPOSITION COMMENTS

This product contains a small amount of sodium hexametaphosphate added.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General information	Get medical attention immediately!
Inhalation	Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary.
Ingestion	Do not induce vomiting. If confined to the mouth, rinse mouth thoroughly and ensure water is not swallowed. If swallowed, drink plenty of water. If substance has been swallowed, give water to drink immediately
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

4.2 Most important symptoms and effects, both acute and delayed**4.3 Indication of any immediate medical attention and special treatment needed****SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition will evolve Chlorine. Contact with heavy metals, their compounds and alloys the product decomposes with evolution of oxygen.

5.3 Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground.

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6.3 Methods and material for containment and cleaning up

Flush away small spillages with plenty of water. Large Spillages: Absorb with sand or other inert absorbent. Pick up with vacuum or absorbent solid, store in closed container for disposal.

6.4 Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes. Handle with care as an alkaline material. Wear appropriate protective clothing. Avoid inhalation of vapours and spray mists. Do not mix with acids, or other cleaning fluids (especially ammonia). Do not mix with sodium bisulfite

7.2 Conditions for safe storage, including any incompatibilities

Unsuitable containers: metals. Store in vented vessels of rubber lined mild steel or HDPE. Uncontrolled pressure build up may occur in closed systems (vessels, pipes etc.) so all containers must have a venting device. Sludge may build up in tanks over time, due to salt deposition. Keep away from acids, ammonia solutions, amines and methanol. Keep away from heat and direct sunlight.

7.3 Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

Chlorine vapour STEL 15min 0.5 ppm, 1.5 mg/m3

DNEL

Industry	Inhalation.	Long Term	1.55	mg/m3
Industry	Inhalation.	Short Term	3.1	mg/m3
Consumer	Inhalation.	Long Term	1.55	mg/m3
Consumer	Inhalation.	Short Term	3.1	mg/m3
Consumer	Oral	Long Term	Systemic Effects	0.26 mg/kg/day

8.2 Exposure controls

Protective equipment



Process conditions Provide eyewash station.

Engineering measures Provide adequate general and local exhaust ventilation.

Respiratory equipment For respirator use cartridge type P3 SL

Hand protection Wear protective gloves. Rubber or plastic.

Eye protection Goggles/face shield are recommended.

Other Protection Plastic apron, sleeves, boots - if handling large quantities, full body suit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties****General Information**

Appearance:	Liquid
Colour	Green yellow
Odour	Irritating. Chlorine.
Solubility	Completely soluble in water
Initial boiling point and boiling range (°C)	110 Decomposes with heat
Melting point (°C)	-17°C
Relative density	1.10
pH-Value, Conc. Solution	> 13

9.2 Other information**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Violent reaction with: Acids. Sodium bisulfite

10.2 Chemical stability

Avoid Contact with acids.

10.3 Possibility of hazardous reactions

Contact with acids liberates toxic chlorine gas. Reacts with amines and ammonia to form explosive compounds, and can react violently with methanol. Reacts strongly with sodium bisulfite

10.4 Conditions to avoid

Store in a cool dry place away from direct sunlight.

10.5 Incompatible materials

Materials To Avoid

Contact with acids liberates toxic chlorine gas. Decomposition with evolution of oxygen is accelerated by heat and light, and also by contact with metals, particularly copper, nickel, iron and monel.

10.6 Hazardous decomposition products

Thermal decomposition will evolve toxic vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Toxic	Dose 1 - LD 50 > 1200 mg/kg (oral rat) Dermal
Acute toxicity	Acute Toxicity (Dermal LD50) > 2000 mg/kg Rat
Skin Corrosion/Irritation	Corrosive
Respiratory or skin sensitisation	Not Sensitising.
Germ cell mutagenicity	This substance has no evidence of mutagenic properties.
Carcinogenicity	This substance has no evidence of carcinogenic properties.
Inhalation	Mist/droplets are corrosive to the respiratory tract, and will cause a burning sensation in the throat, coughing and breathing difficulties

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Ingestion	If ingested will cause severe damage to gastrointestinal tract.
Skin contact	Causes burns. Prolonged or repeated contact may cause dermatitis
Eye contact	Risk of serious damage to eyes. Risk of corneal damage.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

LC 50, 96 Hrs, Fish mg/l	0.01-0.1 mg/l active chlorine
EC 50, 48 Hrs, Daphnia, mg/l	0.01-0.1
IC 50, 72 Hrs, Algae, mg/l	Technically unfeasible
Acute Toxicity	Microorganisms
LOEC 0.375 mg/l	Activated sludge

12.2 Persistence and degradability

Degradability

The product quickly decomposes in water or soil

12.3 Bioaccumulative potential

Bioaccumulative potential

Will not bio-accumulate.

12.4 Mobility in soil

Mobility: The product is soluble in water.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground. Collect in marked containers and deliver to approved depot. Contaminated area should be washed with large amounts of water

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number

UN No. (ADR/RID/ADN)	1791
UN No. (IMDG)	1791
UN No. (ICAO)	1791

14.2 UN proper shipping name

Proper Shipping Name: HYPOCHLORITE SOLUTION

Proper Shipping Name: HYPOCHLORITE SOLUTION

Trade Name: PureSeal ClingFilm Pro

14.3 Transport hazard class(es)

Transport Labels	
ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8

14.4 Packing group

ADR/RID/ADN Packing group	II, or III below 10%
IMDG Packing group	II, or III below 10%
ICAO Packing group	II, or III below 10%

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

EMS: F-A, S-B

Emergency Action Code: 2X

Hazard No. (ADR): 80

Tunnel Restriction Code: (E)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

EU legislation: The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixture. Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006). Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

SECTION 16: OTHER INFORMATION

Revision Comments

Updated Section(s) 14,

Issued By: D.Kelly

Revision Date: 02/04/13

Revision: 7

Supersedes date: March 2013

Risk Phrases In Full

R34: Causes burns.
R35: Causes severe burns.
R31: Contact with acids liberates toxic gas.
R50: Very toxic to aquatic organisms.

Hazard Statements In Full

H318: Causes serious eye damage.
H314: Causes severe skin burns and eye damage.
EUH031: Contact with acids liberates toxic gas.
H290: May be corrosive to metals.
H411: Toxic to aquatic life with long lasting effects.
H400: Very toxic to aquatic life.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.