



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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

1.1. Product identifier

Product name Clear Screen

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

2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms	
Signal Word Hazard	Warning
Statement Precautionary	Eye Irrit. 2: H319 - Causes serious eye irritation.
Statement:	P264 - Wash thoroughly after handling.
Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement:	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Response	P337+P313 - If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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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.
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		20 - 30%	Xn; R22	
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		10 - 20%	F; R11 Xi; R36 R67	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
AMINE C12-14		308062-28-4	931-292-6		0 - 0.5%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;	
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		20 - 30%	Acute Tox. 4: H302;	
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If breathing is difficult give oxygen. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If you feel unwell, seek medical advice (show the label where possible). Keep the affected person warm and at rest. Move the exposed person to fresh air.
Eye contact	Avoid contact with eyes. Bathe the eye with running water for 15 minutes. Contact lenses should be removed. If you feel unwell, seek medical advice (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin contact	Causes burns. If you feel unwell, seek medical advice (show the label where possible). Remove the affected person from the source of contamination immediately. Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Move the exposed person to fresh air. Remove the affected person from the source of contamination immediately. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol resistant foam. Dry chemical. Sand. Water spray.
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5.2. Special hazards arising from the substance or mixture

	Avoid contact with eyes. Do not allow runoff water to enter sewers or drains. Eliminate all sources of ignition. Evacuate personnel to a safe area. In case of accident by inhalation: remove casualty to fresh air and keep at rest. Take off immediately all contaminated clothing. Wear suitable protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes. Avoid sparks, flames, heat and sources of ignition. Use appropriate personal protective equipment. Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Do not let product contaminate subsoil.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Do not allow runoff water to enter sewers or drains. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
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7.2. Conditions for safe storage, including any incompatibilities

	Contact with combustible material may cause fire. Keep away from sources of ignition - No smoking.
Suitable packaging	Keep container tightly closed and dry.

7.3. Specific end use(s)

	Avoid contact with eyes. Avoid contact with skin. Keep out of the reach of children. Take precautionary measures against static discharges. Use in a well ventilated area. Wear suitable protective equipment.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol particulate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol vapour)	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 52 WEL 15 min limit mg/m3: 104 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Pleasant
Freezing Point	- 15
Relative density	< 1
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Alkalis. Will not decompose if stored and used as recommended.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Contact with acids liberates toxic gas. Take
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10.4. Conditions to avoid

	precautionary measures against static discharges.
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10.5. Incompatible materials

	Oxidizer.
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10.6. Hazardous decomposition products

	Carbon dioxide (CO ₂). Carbon oxides. Toxic fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	May cause allergic reactions in susceptible people. May cause degreasing of the skin. May cause dermatitis. May cause irritation to skin, eyes and mucous membranes. Prolonged or repeated exposure may cause irritation to skin and mucous membranes. Irritating to skin.
Respiratory or skin sensitisation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. May cause allergic reactions in susceptible people. May cause irritation to skin in susceptible persons. May cause sensitisation by inhalation and skin contact.

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.2. Persistence and degradability

	This surfactant complies with the biodegradability criteria as laid down by Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request, or at the request of the detergent manufacturer.
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12.4. Mobility in soil

	Do not let product contaminate subsoil.
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SECTION 13: Disposal considerations

Disposal methods

	Do not empty into drains; dispose of this material and its container in a safe way. Do not let product contaminate subsoil.
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Disposal of packaging

	Empty containers can be cleaned with water.
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SECTION 14: Transport information

SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R11 - Highly flammable. R22 - Harmful if swallowed. R36 - Irritating to eyes. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Acute Tox. 4: H302 - Harmful if swallowed.

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Other information

	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.
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