



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 See Thru Gold

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	Xi; R36 R67 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319; STOT SE 3: H336;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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

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2.2. Label elements

Precautionary Statement: Storage	lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	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.
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		20 - 30%	F; R11 Xi; R36 R67	
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		1 - 10%	Xn; R22	
Ammonia solution	007-001-01-2	1336-21-6	215-647-6		0.5 - 1%	C; R34 N; R50	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		0 - 0.5%	C; R35	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		20 - 30%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		1 - 10%	Acute Tox. 4: H302;	
Ammonia solution	007-001-01-2	1336-21-6	215-647-6		0.5 - 1%	Skin Corr. 1B: H314; Aquatic Acute 1: H400;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If breathing stops, provide artificial respiration. If unconscious and breathing is OK, place in the recovery position. If you feel unwell, seek medical advice (show the label where possible). In case of accident by inhalation: remove casualty to fresh air and keep at rest. Keep the affected person warm and at rest.
Eye contact	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).
Skin contact	Avoid contact with skin. If you feel unwell, seek medical advice (show the label where possible). Wash with soap and water.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious). Remove the affected person from the source of contamination immediately.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. Sand. Water spray.
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5.2. Special hazards arising from the substance or mixture

	Do not empty into drains; dispose of this material and its container in a safe way. Eliminate all sources of ignition. May cause fire. Move containers away from fire if it can be done without risk. Use extinguishing media appropriate to the surrounding fire conditions. Wear self contained breathing apparatus and protective clothing.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained. Avoid release to the environment. Refer to special instructions/Safety data sheets. Do not allow runoff water to enter sewers or drains.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Avoid sparks, flames, heat and sources of ignition. Keep only in the original container in a cool, well-ventilated place. Wear suitable protective clothing, gloves and eye/face protection.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and in a well-ventilated place. Keep in a cool place. Keep out of the reach of children.
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Suitable packaging

	Store in original container.
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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:
Sodium hydroxide	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: - WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Relative density	< 1
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid sparks, flames, heat and sources of ignition.
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10.2. Chemical stability

	Stable under normal conditions.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition.
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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

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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SECTION 13: Disposal considerations

SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN1219
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14.2. UN proper shipping name

	ISOPROPANOL
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14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

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14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	No
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Marine pollutant	No
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ADR/RID

Hazard ID	33
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Tunnel Category	(D/E)
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IMDG

EmS Code	F-E S-D
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IATA

Packing Instruction (Cargo)	364
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Maximum quantity	60 L
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Packing Instruction (Passenger)	353
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Maximum quantity	5 L
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SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R11 - Highly flammable. R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R36 - Irritating to eyes. R50 - Very toxic to aquatic organisms. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	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. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life.