

SAFETY DATA SHEET
STANDARD CELLULOSE THINNERS

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Issued: 21/09/2004

Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: STANDARD CELLULOSE THINNERS

Product code:

Use / description of product: Used for cleaning machinery and in Base Coat thinners and Primers.

Company name: The Garland Company UK Limited

Mercia Road

Gloucester

GL1 2SQ

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: MINERALSIED METHYLATED SPIRIT 1-10%

EINECS: 200-578-6 CAS: 64-17-5

[F] R11

- ACETONE (V) 1-10%

EINECS: 200-662-2 CAS: 67-64-1

[Xi] R36; [Xi] R66; [-] R67

- MEK 10-30%

EINECS: 201-159-0 CAS: 78-93-3

[F] R11; [Xi] R36; [Xi] R66; [-] R67

- ETHYL ACETATE 10-30%

EINECS: 205-500-4 CAS: 141-78-6

[F] R11; [Xi] R36; [Xi] R66; [-] R67

- PROPYL ACETATE 1-10%

EINECS: 203-686-1 CAS: 109-60-4

[F] R11; [Xi] R36; [Xi] R66; [-] R67

- ISO PROPYL ACETATE 1-10%

EINECS: 203-561-1 CAS: 108-21-4

[F] R11; [Xi] R36; [Xi] R66; [-] R67

- TOLUENE 10-30%

EINECS: 203-625-9 CAS: 108-88-3

[F] R11; [Xn] R20

- XYLENE 10-30%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

[cont...]

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Main hazards: Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

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

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

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

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

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

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Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: MINERALSIED METHYLATED SPIRIT

TWA (8 hr exposure limit): 1920 mg/m³ (OES)

- ACETONE (V)

TWA (8 hr exposure limit): 1210 mg/m³ STEL (15 min exposure limit): 3620 mg/m³ (OES)

- MEK

TWA (8 hr exposure limit): 600 mg/m³ STEL (15 min exposure limit): 899 mg/m³ (OES)

- ETHYL ACETATE

TWA (8 hr exposure limit): 200 ppm STEL (15 min exposure limit): 400 ppm (OES)

- PROPYL ACETATE

TWA (8 hr exposure limit): 849 mg/m³ STEL (15 min exposure limit): 1060 mg/m³ (OES)

- TOLUENE

TWA (8 hr exposure limit): 191 mg/m³ STEL (15 min exposure limit): 574 mg/m³ (OES)

- XYLENE

TWA (8 hr exposure limit): 220 mg/m³ STEL (15 min exposure limit): 441 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Solubility in water: Slightly soluble

Boiling point/range°C: 55-155

Flammability limits %: lower: 1.1

upper: 12.8

Flash point°C: 21

Vapour pressure: 185mm Hg

Relative density: 0.858-0.871

pH: 6.5-7.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** ETHYL ACETATE
ORL MUS LD50 4100 mg/kg
ORL RAT LD50 5620 mg/kg
SCU RAT LDLO 5 gm/kg
- PROPYL ACETATE
ORL MUS LD50 8300 mg/kg
ORL RAT LD50 9370 mg/kg
 - TOLUENE
IVN RAT LD50 1960 mg/kg
ORL MUS LD50 2 gm/kg
ORL RAT LD50 6900 mg/kg
 - XYLENE
ORL MUS LD50 2119 mg/kg
ORL RAT LD50 4300 mg/kg
SCU RAT LD50 1700 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Arrange for collection by specialised disposal company.

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

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1263

ADR Class: 3

Packing group: II

Classification code: F1

Shipping name: PAINT RELATED MATERIAL

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Labelling: 3

Hazard ID no: 33

**IMDG / IMO**

UN no: 1263	Class: 3
Packing group: II	EmS: F-E,S-E
Marine pollutant: .	Labelling: 3

IATA / ICAO

UN no: 1263	Class: 3
Packing group: II	Packing instructions: 305(P&CA); 307(CAO)
Labelling: 3	

15. REGULATORY INFORMATION**Hazard symbols:** Harmful.

Risk phrases: R10: Flammable.
R20/21: Harmful by inhalation and in contact with skin.
R36/38: Irritating to eyes and skin.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S23: Do not breathe vapour.
S60: This material and its container must be disposed of as hazardous waste.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R20: Harmful by inhalation.
R10: Flammable.

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R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

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. Solvents With Safety Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.