



SAFETY DATA SHEET

GLASS CLEANER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: GLASS CLEANER

PART No.: B/GLASS

APPLICATIONS: Trigger spray glass cleaner.

SUPPLIER: Decosol Ltd.,
Decosol House, Shelf,
Halifax,
West Yorkshire HX3 7JT

TEL: 01422 205111

FAX: 01422 205275

2 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT NAME | EINECS No. | CAS No. | CONTENTS | SYMBOL | RISK (R No.) |
|-----------------|------------|---------|----------|--------|------------------------------|
| ETHANOL | 200-578-6 | 64-17-5 | 30-60 % | F | 11 |
| METHANOL | 200-659-6 | 67-56-1 | 1-5 % | F, T | 11, 23/24/25, 39/23/24/25 |

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Flammable.

4 FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT induce vomiting. Get medical attention immediately. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical.

SKIN: Rinse the skin immediately with lots of water.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Foam. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

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SPECIAL FIRE FIGHTING PROCEDURES:

Use water to keep fire exposed containers cool and disperse vapours. Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS:

May explode when heated or when exposed to flames or sparks.

HAZARDOUS DECOMPOSITION PRODUCTS:

Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons. Sulphurous gases (SO_x). Ammonia or amines.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS DURING SPILL:

Wear suitable protective equipment as specified under Protection Data on this Safety Data Sheet. For further information on personal protection, see Section 8.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Prevent access to drains, sewers, waterways and soil.

SPILL CLEANUP METHODS:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Absorb with inert, damp, noncombustible material, then flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

USAGE DESCRIPTION:

Trigger spray. Spray onto dirty glass and wipe clean with a cloth.

STORAGE PRECAUTIONS:

Flammable/combustible - Keep away from oxidizers, heat and flames. Keep containers tightly closed.

STORAGE CRITERIA:

Flammable liquid storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

| INGREDIENT NAME | CAS No | STD | LT EXP (8 hrs) | ST EXP (15 min) |
|-----------------|---------|-----|-------------------|--------------------|
| ETHANOL | 64-17-5 | OES | 1000 ppm | No std. |
| METHANOL | 67-56-1 | OES | 200 ppm(Sk) | 250 ppm(Sk) |

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:

Well ventilated area.

PROTECTIVE GLOVES:

Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION:

Wear approved chemical safety goggles where eye exposure is reasonably probable.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------|----------------------|---------------------|--------------|
| APPEARANCE: | Clear. Liquid. | COLOUR: | Blue. |
| ODOUR/TASTE: | Alcohol. | | |
| SOLUBILITY DESCRIPTION: | Miscible with water. | | |
| BOILING POINT (°C): | -80 @ 760mmHg | MELTING POINT (°C): | -- 40 |
| SPECIFIC GRAVITY (Water=1): | 0.93 @ 20 °C | EVAPORATION RATE: | <1.8(BuAc=1) |
| VOLATILE BY VOL.(%): | 45 | pH-VALUE, CONC: | 10.5 |
| FLASH POINT (°C): | -24 | | |

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FLASH POINT METHOD: CC (Closed cup).
AUTO IGNITION TEMPERATURE (°C): >450
FLAMMABILITY LIMIT (upper %): 20
FLAMMABILITY LIMIT (lower %): 4.50

10 STABILITY AND REACTIVITY

STABILITY: SHELF LIFE: 3 - 5 years.

CONDITIONS TO AVOID: Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:
Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.
Sulphurous gases (SO_x). Ammonia or amines.

11 TOXICOLOGICAL INFORMATION

INHALATION: Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

INGESTION: May cause dizziness, headaches, nausea, sickness, vomiting and diarrhoea.

SKIN: Prolonged or repeated contact may cause defatting of the skin resulting in irritation and/or dermatitis.

EYES: May cause mild irritation or discomfort.

HEALTH WARNINGS: Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Central and/or peripheral nervous system damage. Spray and vapour in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Not regarded as dangerous for the environment.

DEGRADABILITY: Believed to be mostly biodegradable. Will slowly evaporate. Leaches from soil into ground water.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:
UN No: 1170
HAZARD CLASS (ADR): Class 3: Flammable liquids.
ADR PACK GR: III
ADR LABEL No: 3
CEPIC TEC(R) No: 330GF1-III
PROPER SHIPPING NAME I: ETHANOL SOLUTION
ADR CLASS No: 3
HAZARD No. (ADR): 30
HAZCHEM CODE: 2Y

RAIL:
RAIL TRANSPORT CLASS No: 3
RID PACK GR: III

SEA:

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| | | | |
|-----------------------|-----------|--------------------------------|----------|
| UN SEA: | 1170 | SEA TRANSPORT CLASS No: | 3 |
| SEA PACK GR: | III | EmS No.: | F-E, S-D |
| MFAG Table No: | See Guide | MARINE POLLUTANT: | No. |
| AIR: | | | |
| UN AIR: | 1170 | AIR TRANSPORT CLASS No: | 3 |
| AIR PACK GR: | III | | |

15 REGULATORY INFORMATION

| | | |
|----------------------------------|--|---|
| RISK PHRASES: | R-10 | Flammable. |
| SAFETY PHRASES: | S-2 | Keep out of reach of children. |
| | S-46 | If swallowed seek medical advice immediately and show this container label. |
| | S-51 | Use only in well ventilated areas. |
| UK REGULATORY REFERENCES: | The Control of Substances Hazardous to Health Regulations 1988. | |
| | Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations as amended. | |
| | Chemicals (Hazard Information and Packaging for Supply) Regulations as amended. | |
| EC DIRECTIVES: | Dangerous Substance Directive 67\548. | |
| | Dangerous Preparations Directive 88\379. | |
| GUIDANCE NOTES: | Occupational Exposure Limits EH40. | |

16 OTHER INFORMATION

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|---|---|---|
| INFORMATION SOURCES: | Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984. | |
| REVISION COMMENTS: | Revision of Safety Phrases. Transport data amended. Amendments to sections: 14, 15, 16. | |
| REVISION DATE: | 02-2004 | |
| REVISION No. /REPLACES SDS ISSUED: | 4 / 05-2002 | |
| SDS No.: | 1038 | |
| R-PHRASES (Full Text): | R-11 | Highly flammable. |
| | R-23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| | R-39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. |