



## 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 (CO<sub>2</sub>). Hydrocarbons. Sulphurous gases (SO<sub>x</sub>). 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 (CO<sub>2</sub>). Hydrocarbons.  
Sulphurous gases (SO<sub>x</sub>). 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	ADR CLASS No:	3
HAZARD CLASS (ADR):	Class 3: Flammable liquids.	HAZARD No. (ADR):	30
ADR PACK GR:	III	HAZCHEM CODE:	2Y
ADR LABEL No:	3		
CEFIC TEC(R) No:	330GF1-III		
PROPER SHIPPING NAME I:	ETHANOL SOLUTION		

**RAIL:**

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

# GLASS CLEANER

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

## 15 REGULATORY INFORMATION

<b>RISK PHRASES:</b>	R-10	Flammable.
<b>SAFETY PHRASES:</b>	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.
<b>UK REGULATORY REFERENCES:</b>	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.	
<b>EC DIRECTIVES:</b>	Dangerous Substance Directive 67\548.	
	Dangerous Preparations Directive 88\379.	
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40.	

## 16 OTHER INFORMATION

<b>INFORMATION SOURCES:</b>	Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984.	
<b>REVISION COMMENTS:</b>	Revision of Safety Phrases. Transport data amended. Amendments to sections: 14, 15, 16.	
<b>REVISION DATE:</b>	02-2004	
<b>REVISION No. /REPLACES SDS ISSUED:</b>	4 / 05-2002	
<b>SDS No.:</b>	1038	
<b>R-PHRASES (Full Text):</b>	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.