

MATERIAL SAFETY DATA SHEET
MSDB-No. P002269-1-EC-DE Versions-No. 2

Important

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155 EEC, as amended by Directive 93/112/EEC.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1 Identification

PRODUKT NAME: GASOKOL corroStar freeze protection concentrate
Business Phone: (+43) 0 72 60 / 74 75-0

2.1 Composition of the Preparation

<u>Ingredient Name</u>	<u>Contents</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>	<u>HEALTH</u>	<u>RISK</u>
Propylene Glycol	> 94 %	57-55-6	200-500-4	(class)	(R No.) NC

CAS No: 57-55-6
Composition Comments: EINECS NUMBER: 205-500-4

3 Hazards Identification

None

4 First Aid Measures

Inhalation: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUID! Get medical attention.
Skin: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.
Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

5 Fire Fighting Measures

Extinguishing Media. Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

6 Accidental Release Measures

Spill cleanup Methods: Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Absorb small quantities with paper towels and evaporate in safe place (fume hood). Allow sufficient time for vapours to completely clear the hood ducts, then burn the paper in a location away from combustible materials. Let evaporate. Keep out of confined spaces because of explosion risk. Clean up personnel should use respiratory and/or liquid contact protection.

7 Handling and Storage

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapour. Use approved respirator if air contamination is above accepted level. Read and follow manufacturer's recommendations.
STORAGE PRECAUTIONS: Flammable/combustible – Keep away from oxidizers, heat and flames.
STORAGE CRITERIA: Chemical storage.

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8 Exposure controls and personal protection

Ingredient name	Cas-No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
Propylene Glycol	57-55-6	OES.	150 ppm	No std.
Exposure Limit Comments				

Protective Equipment:

Protective Gloves:

For exposure of 4 to 8 hours use gloves mad of: Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL).

Eye Protection:

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

9 Physical and Chemical Properties

Appearance:	Liquid. Hydrosopic.	Colour:	Colourless
Odour/Taste:	Odourless or no characteristic odour.		
Solubility Description:	Miscible with water.	Mol Weight (at WT):	76.09
Boiling Point (°C):	~ 188	Melting Point (°C):	~ 58
Specific Gravity (Water = 1):	1.04	Vapour Density (air=1)	2,62
Vapour Pressure:	0.08	Flash Point (°C):	~ 98
Flash Point Method:	OC (Open cup).		
Auto Ignition Temperature (°C):	371	Flammability Limit	
Flammability Limit (upper %):	12,60	(lower %):	2,60

10 Stability and Reactivity

Stability	Avoid: Heat, sparks, flames. Moisture.
Materials to avoid:	Strong oxidizing agents.
Hazardous Decomposition Products	Acrid smoke/fumes of: Carbonyl compounds. Acetic acid.

11 Toxicological Information

Toxic Dose1-LD50: 25000,00 mg/kg (oral rat)

12 Ecological Information

ENVIRONMENT HAZARDS	Not regarded a dangerous for the environment.
DEGRADABILITY	No available data.
ACUTE FISH TOXICITY	No available data.
WATER HAZARD CLASSIFICATION	No available data.

13 Disposal Considerations

Disposal Methods: Incinerate in suitable combustion chamber. Collect on absorbent material, place in cardboard kegs and incinerate. Confirm disposal procedures with environmental engineer and local regulations.

14 Transportation Information

LABEL FOR CONVEYANCE:	No transport warning sign required.		
ROAD:			
ADR CLASS No:	N/C	ADR ITEM No:	N/C
ADR LABEL No:	N/C		
RAIL:			
RAIL TRANSPORT CLASS NO:	N/C	RAIL ROAD PT:	N/C
SEA:			
SEA TRANSPORT CLASS NO:	N/C	IMDG PAGE NO:	N/C
SEA PACK GR:	N/C		
AIR:			
AIR TRANSPORT CLASS NO:	N/C	AIR SUB CLASS:	N/C
AIR PACK GR:	N/C		

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15 **Regulatory Information**

EEC (EINECS) NO: 200-337-5
RISK PHRASES: Not classified.
SAFETY PHRASES: Not classified.
UK REGULATORY REFERENCES: Health and Safety at Work Act 1974
The Control of Substances Hazardous to Health Regulations 1988.

16 **Other Information**

Information Sources: The Marck Index, 11. Edition, 1989.
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