

SAFETY DATA SHEET

VOLTRONIC GLAS CLEAN & PROTECT GP10

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Revision No: 1

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

Product name: VOLTRONIC GLAS CLEAN & PROTECT GP10

Product code: GP10

Synonyms: SCHEIBENVERSIEGELUNG

Use of substance / preparation: Protector liquid

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPAN-2-OL 70-90%

EINECS: 200-661-7 CAS: 67-63-0

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

- SULPHURIC ACID ... % <1%

EINECS: 231-639-5 CAS: 7664-93-9

[C] R35

4. FIRST AID MEASURES (SYMPTOMS)

Eye contact: There may be irritation and redness.

Ingestion: There may be loss of consciousness. May cause drowsiness.

Inhalation: There may be loss of consciousness. There may be vomiting. Nausea and stomach pain may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

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

Ingestion: Wash out mouth with water. 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. If unconscious, check for breathing and apply artificial respiration if necessary.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do not use water.

Exposure hazards: 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. Eliminate all sources of ignition. If outside keep bystanders upwind and away from danger point.

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

Clean-up procedures: Mix with sand or vermiculite.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Use non-sparking tools. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in original packaging. Steel drums. Stainless steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr exposure limit): 500 mg/m³

WEL (15 min exposure limit): 2000 mg/m³

Hazardous ingredients: PROPAN-2-OL

WEL (8 hr exposure limit): 999 mg/m³ WEL (15 min exposure limit): 1250 mg/m³

- SULPHURIC ACID ... %

WEL (8 hr exposure limit): 1 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Half face filtering respirator (EN140). Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Gloves (solvent-resistant). Breakthrough time of the glove material > 4 hours.

Eye protection: Tightly fitting safety goggles.

Skin protection: Solvent resistant protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Colourless
Odour:	Alcoholic
Evaporation rate:	Fast
Solubility in water:	Miscible in all proportions
Viscosity:	Non-viscous
Viscosity value:	2,5
Viscosity test method:	Kinematic viscosity in 10-6 m ² /s at 40°C (ISO 3104/3105)
Boiling point/range°C:	82
Flammability limits %: lower:	2
upper:	12
Flash point°C:	12
Autoflammability°C:	425
Vapour pressure:	48 mbar
Relative density:	0,805
pH:	7

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Sources of ignition.
Materials to avoid:	Strong oxidising agents. Strong acids.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	VOLTRONIC GLAS CLEAN & PROTECT GP10
	IHL RAT LC50 4h 30 mg/l
	ORL RAT LD50 4570 mg/kg
	SKN RBT LD50 13400 mg/kg
Hazardous ingredients:	PROPAN-2-OL
	IVN RAT LD50 1088 mg/kg
	ORL MUS LD50 3600 mg/kg
	ORL RAT LD50 5045 mg/kg
	SCU MUS LDLO 6 gm/kg
	• SULPHURIC ACID ... %
	ORL RAT LD50 2140 mg/kg

12. ECOLOGICAL INFORMATION

Mobility:	Vapour is heavier than air. Soluble in water. Highly volatile.
Persistence and degradability:	Aerobically biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Disposal operations: D14 Repackaging prior to submission to any of the operations in this Annex.

R1 Solvent reclamation/regeneration.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. May be reused following decontamination.

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: 1219

ADR Class: 3

Packing group: II

Classification code: F1

Shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL) (PROPAN-2-OL; SULPHURIC ACID...100%)

Labelling: 3

Hazard ID no: 33



IMDG / IMO

UN no: 1219

Class: 3

Packing group: II

EmS: 3-06

Marine pollutant: NO

Labelling: 3

IATA / ICAO

UN no: 1219

Class: 3

Packing group: II

Packing instructions: 305(P&CA); 307(PAO)

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.

Irritant.



Risk phrases: R11: Highly flammable.

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R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

S33: Take precautionary measures against static discharges.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Water hazard class: 1 Classification by VwVwS

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.3: R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

R35: Causes severe burns.

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.