

SAFETY DATA SHEET
VOLTRONIC VALVE CLEANER G25

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

Product name: VOLTRONIC VALVE CLEANER G25

Product code: G25

Synonyms: VENTILREINIGER G25

Use of substance / preparation: Fuel additiv Cleaner liquid

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Other hazards: In use, may form flammable / explosive vapour-air mixture. Harmful: may cause lung damage if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: LOW BOILING POINT HYDROGEN TREATED NAPHTHA 70-90%

[-] R10; [N] R51/53; [Xn] R65; [-] R66; [-] R67

- BUTAN-1-OL 1-10%

EINECS: 201-148-0 CAS: 78-83-1

[-] R10; [Xi] R37/38; [Xi] R41; [-] R67

- POLYMERES AMIN 1-10%

[Xi] R38; [-] R52/53

- HYDROCARBONS, DEAROMAT. 1-10%

EINECS: 265-149-8 CAS: 64742-47-8

[Xn] R65; [-] R66

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

Eye contact: There may be irritation and redness.

[cont...]

SAFETY DATA SHEET
VOLTRONIC VALVE CLEANER G25**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.
- Eye contact:** Bathe the eye with running water for 15 minutes.
- Ingestion:** Do not induce vomiting. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.
- Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Vapour may travel considerable distance to source of ignition and flash back.
- 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. Smoking is forbidden. Earth any equipment used in handling. Use non-sparking tools.
- Storage conditions:** Keep container tightly closed. 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. Steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** LOW BOILING POINT HYDROGEN TREATED NAPHTA
WEL (8 hr exposure limit): 500mg/m³ (100ppm)
- BUTAN-1-OL
WEL (8 hr exposure limit): 154 mg/m³ WEL (15 min exposure limit): 231 mg/m³
 - HYDROCARBONS, DEAROMAT.
WEL (8 hr exposure limit): 1000mg/m³, (200ppm)
- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
- Respiratory protection:** Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.

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

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Yellow-tan

Odour: Characteristic odour

Evaporation rate: Moderate

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Viscosity value: 1,1

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: 130-220

Flammability limits %: lower: 0,8

upper: 8,0

Flash point°C: 45

Autoflammability°C: >250

Vapour pressure: 80 mbar

Relative density: 0,799

VOC g/l: 799

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

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

Materials to avoid: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: VOLTRONIC VALVE CLEANER G25

IHL RAT LC50 >5 mg/kg

IPR RAT LC50 >3000 mg/kg

ORL RAT LD50 >5000 mg/kg

Hazardous ingredients: BUTAN-1-OL

IVN MUS LD50 417 mg/kg

IVN RAT LD50 340 mg/kg

ORL RAT LD50 2460 mg/kg

- HYDROCARBONS, DEAROMAT.

ORL RAT LD50 >2000 mg/kg

SKN RBT LD50 >2000 mg/kg

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

12. ECOLOGICAL INFORMATION

Ecotoxicity: VOLTRONIC VALVE CLEANER G25

FISH 96H LC50 1 - 10 mg/l

Mobility: Floats on water. Highly volatile.

Persistence and degradability: Photodegradable. Biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

R1 Solvent reclamation/regeneration.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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: 1993

ADR Class: 3

Packing group: III

Classification code: F1

Shipping name: FLAMMABLE LIQUID, N.O.S. (LOW BOILING POINT HYDROGEN TREATED NAPHTA, LIGHT; ISOBUTANOL)

Labelling: 3

Hazard ID no: 30

**IMDG / IMO**

UN no: 1993

Class: 3

Packing group: III

EmS: F-E,S-E

Marine pollutant: .

Labelling: 3

IATA / ICAO

UN no: 1993

Class: 3

Packing group: III

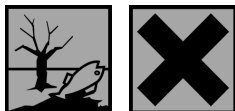
Packing instructions: 309(P&CA); 310(CAO)

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.

Harmful.



Risk phrases: R10: Flammable.

R36: Irritating to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

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

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

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Water hazard class: 2 Classification by VwVwS

Air emission directive: Amount m%: 100

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: R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R37/38: Irritating to respiratory system and skin.

R41: Risk of serious damage to eyes.

R38: Irritating to skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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.