

# SAFETY DATA SHEET

VOLTRONIC DIESEL SYSTEM SCHUTZ EURO IV D22

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

**Product name:** VOLTRONIC DIESEL SYSTEM SCHUTZ EURO IV D22

**Product code:** D-22

**Use of substance / preparation:** Dieseladditiv liquid

**Company name:** VOLTRONIC & ACT GmbH

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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to eyes. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** HYDROCARBONS, DEAROMAT. 70-90%

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

[Xn] R65; [-] R66

- 2-ETHYL-1-HEXANOL 1-10%

EINECS: 203-234-3 CAS: 104-76-7

[Xi] R36/38; [-] R52

- BUTAN-1-OL 1-10%

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

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

- 2-ETHYLHEXYLNITRAT 1-10%

[Xn] R20/22; [-] R44; [N] R51/53; [Xn] R65

- NAPHTHALENE <1%

EINECS: 202-049-5 CAS: 91-20-3

[Xn] R22; [Xn] R40; [N] R50/53

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be vomiting. Onset of symptoms may be delayed by a few hours.

[cont...]

**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. If conscious, give half a litre of water to drink immediately. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

**Exposure hazards:** Flammable.

**Protection of fire-fighters:** 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:** Absorb into dry earth or sand. Mix with sand or vermiculite. Refer to section 13 of SDS for suitable method of disposal.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources 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. Polyethylene.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** HYDROCARBONS, DEAROMAT.

WEL (8 hr exposure limit): 1000mg/m<sup>3</sup>, (200ppm)

- 2-ETHYL-1-HEXANOL

WEL (8 hr exposure limit): 999 mg/m<sup>3</sup> WEL (15 min exposure limit): 1250 mg/m<sup>3</sup>

- BUTAN-1-OL

WEL (8 hr exposure limit): 154 mg/m<sup>3</sup> WEL (15 min exposure limit): 231 mg/m<sup>3</sup>

- NAPHTHALENE

WEL (8 hr exposure limit): 50 mg/m<sup>3</sup>

**Engineering measures:** Ensure all engineering measures mentioned in section 7 of SDS are in place. Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

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

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Pale gold

**Odour:** Alcoholic

**Evaporation rate:** Slow

**Solubility in water:** Slightly soluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Non-viscous

**Viscosity value:** 1,81

**Viscosity test method:** Kinematic viscosity in 10<sup>-6</sup> m<sup>2</sup>/s at 40°C (ISO 3104/3105)

**Boiling point/range°C:** 160-260

**Melting point/range°C:** <0

**Flammability limits %: lower:** 1,1

**upper:** 6,5

**Flash point°C:** 64

**Autoflammability°C:** >200

**Vapour pressure:** 2,5 mbar

**Relative density:** 0,802

**VOC g/l:** 762

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Sources of ignition.

**Materials to avoid:** Strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** HYDROCARBONS, DEAROMAT.

ORL RAT LD50 >2000 mg/kg

SKN RBT LD50 >2000 mg/kg

- BUTAN-1-OL

IVN MUS LD50 417 mg/kg

IVN RAT LD50 340 mg/kg

ORL RAT LD50 2460 mg/kg

- 2-ETHYLHEXYLNITRAT  
ORL RAT LD50 >4000 mg/kg  
SKN RBT LD50 >2000 mg/kg
- NAPHTHALENE  
ORL MUS LD50 316 mg/kg  
ORL RAT LD50 490 mg/kg  
SKN RAT LD50 >2500 mg/kg

**Chronic toxicity:** Danger of cumulative effects through inhalation. Danger of cumulative effects in contact with the skin.

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

## 12. ECOLOGICAL INFORMATION

**Hazardous ingredients:** 2-ETHYLHEXYLNITRAT  
96H LC50 2-3 mg/l

**Mobility:** Floats on water.

**Persistence and degradability:** Biodegradable in part only.

**Bioaccumulative potential:** Bioaccumulation potential.

**Other adverse effects:** Harmful to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are disposed of by means of any of the operations in this Annex (e.g. evaporation, drying, calcination, etc.).

R9 Use principally as a fuel or other means to generate energy.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. Burn in a chemical incinerator equipped with afterburners and scrubbers.

**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:** -

**Shipping name:** "NOT SUBJECT TO ADR"

### IMDG / IMO

**UN no:** -

### IATA / ICAO

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R36: Irritating to eyes.  
 R65: Harmful: may cause lung damage if swallowed.  
 R66: Repeated exposure may cause skin dryness or cracking.

**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.  
 S7/47: Keep container tightly closed and at a temperature not exceeding °C.  
 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:** 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:** R65: Harmful: may cause lung damage if swallowed.  
 R66: Repeated exposure may cause skin dryness or cracking.  
 R36/38: Irritating to eyes and skin.  
 R52: Harmful to aquatic organisms.  
 R10: Flammable.  
 R37/38: Irritating to respiratory system and skin.  
 R41: Risk of serious damage to eyes.  
 R67: Vapours may cause drowsiness and dizziness.  
 R20/22: Harmful by inhalation and if swallowed.  
 R44: Risk of explosion if heated under confinement.  
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R22: Harmful if swallowed.  
 R40: Limited evidence of a carcinogenic effect.  
 R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## **SAFETY DATA SHEET**

VOLTRONIC DIESEL SYSTEM SCHUTZ EURO IV D22

**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.