

SAFETY DATA SHEET

VOLTRONIC POWER STEERING CLEANER PS10

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Revision No: 1

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

Product name: VOLTRONIC POWER STEERING CLEANER PS10

Product code: PS10

Synonyms: LENKGETRIEBE-REINIGER PS10

Use of substance / preparation: Oiladditiv Cleaner liquid

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

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 - NAPHTHA (PETROLEUM),
HYDRODESULPHURIZED HEAVY 70-90%

EINECS: 265-185-4 CAS: 64742-82-1

[T] R46; [Xn] R65; [-] R10; [N] R51/53

- ZINKALKYLDITHIOPHOSPHAT 1-10%

[Xi] R36/38

- METHACRYLATE COPOLYMER 1-10%

[Xi] R36

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.

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.

[cont...]

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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

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.

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-brown

Odour: Characteristic odour

Evaporation rate: Slow

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Viscosity value: 3

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

Boiling point/range°C: 180-250

Flammability limits %: lower: 0,6

upper: 8,0

Flash point°C: 65

Autoflammability°C: 250

Relative density: 0,814

VOC g/l: 730

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 POWER STEERING CLEANER PS10

IHL RAT LC50 >5 mg/kg

IPR RAT LC50 >3000 mg/kg

ORL RAT LD50 >5000 mg/kg

Hazardous ingredients: ZINKALKYLDITHIOPHOSPHAT

ORL RAT LD50 3144 mg/kg

SKN RBT LD50 >2000 mg/kg

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

12. ECOLOGICAL INFORMATION

Ecotoxicity: VOLTRONIC POWER STEERING CLEANER PS10

FISH 96H LC50 1 - 10 mg/l

Mobility: Floats on water. Volatile. Vapour is heavier than air.

Persistence and degradability: Photodegradable. 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.).

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: Not Classified.

IMDG / IMO

UN no: Not Classified.

IATA / ICAO

UN no: Not Classified.

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.

Harmful.



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

R65: Harmful: may cause lung damage if swallowed.

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

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.

Haz. ingredients (label): LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY

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: R46: May cause heritable genetic damage.

R65: Harmful: may cause lung damage if swallowed.

R10: Flammable.

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

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

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.