

SAFETY DATA SHEET
VOLTRONIC OCTANE BOOSTER G30

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

Product name: VOLTRONIC OCTANE BOOSTER G30

Product code: G 30

Synonyms: OCTANBOOSTER

Use of substance / preparation: Fuel additiv liquid

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation. Harmful 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: HYDROCARBONS, DEAROMAT. 70-90%

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

[Xn] R65; [-] R66

- SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 1-10%

EINECS: 265-199-0 CAS: 64742-95-6

[-] R10; [Xi] R37; [N] R51/53; [Xn] R65

- SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. 1-10%

EINECS: 265-198-5 CAS: 64742-94-5

[Xn] R65; [N] R51/53

- METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL (M.M.T.) <1%

[T] R24; [T] R25; [T+] R26

- POLYOLEFIN ALKYLPHENOL ALKYL AMIN 1-10%

[Xi] R36/38

- 1,2,4-TRIMETHYLBENZENE 1-10%

EINECS: 202-436-9 CAS: 95-63-6

[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53

- NAPHTHALENE <1%

[cont...]

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

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

4. FIRST AID MEASURES (SYMPTOMS)

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

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.
- Exposure hazards:** Forms explosive air-vapour mixture. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Harmful.
- 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. If outside keep bystanders upwind and away from danger point. Eliminate all sources of ignition.
- 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:** Keep away from sources of ignition. Keep container tightly closed. Keep away from direct sunlight. The floor of the storage room must be impermeable to prevent the escape of liquids.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** HYDROCARBONS, DEAROMAT.
- WEL (8 hr exposure limit): 1000mg/m³, (200ppm)
- METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL (M.M.T.)
WEL (8 hr exposure limit): 0,2mg/m³
 - 1,2,4-TRIMETHYLBENZENE
WEL (8 hr exposure limit): 100 mg/m³ WEL (15 min exposure limit): 200 mg/m³

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- NAPHTHALENE
WEL (8 hr exposure limit): 50 mg/m³

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

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

Hand protection: Protective gloves. Breakthrough time of the glove material > 4 hours.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Yellow-tan

Odour: Characteristic odour

Evaporation rate: Negligible

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Viscosity value: <2

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

Flash point°C: 56

Autoflammability°C: 499,9

Relative density: 0,815

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition. Heat.

Materials to avoid: Strong oxidising agents. Reducing agents.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: HYDROCARBONS, DEAROMAT.

ORL RAT LD50 >2000 mg/kg

SKN RBT LD50 >2000 mg/kg

- SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL RAT LD50 8400 mg/kg

- SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.

ORL RAT LDLO 5 ml/kg

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- METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL (M.M.T.)
IHL RAT LC50/1h 247 mg/l
ORL RAT LD50 58 mg/kg
SKN RBT LD50 140 mg/kg
- 1,2,4-TRIMETHYLBENZENE
IPR RAT LDLO 1752 mg/kg
ORL RAT LD50 5 gm/kg
- NAPHTHALENE
ORL MUS LD50 316 mg/kg
ORL RAT LD50 490 mg/kg
SKN RAT LD50 >2500 mg/kg

12. ECOLOGICAL INFORMATION

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

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.).

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: 1268

ADR Class: 3

Packing group: III

Classification code: F1

Shipping name: PETROLEUM DISTILLATES, N.O.S. (HYDROCARBONS, DEAROMAT.; LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.)

Labelling: 3

Hazard ID no: 30



IMDG / IMO

UN no: 1268 **Class:** 3
Packing group: III **EmS:** F-E,S-E
Marine pollutant: .
Labelling: 3

IATA / ICAO

UN no: 1268 **Class:** 3
Packing group: III
Packing instructions: 309(P&CA); 310(CAO)
Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R20: Harmful by inhalation.
R52/53: Harmful 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.

Safety phrases: S2: Keep out of the reach of children.
S23: Do not breathe ...
S28: After contact with skin, wash immediately with plenty of ...
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

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.
R10: Flammable.
R37: Irritating to respiratory system.

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

R24: Toxic in contact with skin.

R25: Toxic if swallowed.

R26: Very toxic by inhalation.

R36/38: Irritating to eyes and skin.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

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.

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.