

Motorstor

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Safety

Card-index Data of Safety MOTORSTOR 10 (August 2001)

1 - Composition/informations on the components

Chemical nature: Mix based on oils, of nitrogenized organic compounds and alcohols

2 - Physical properties and chemical

Aspect:

- physical State with 20°C: Liquid.
- Color: Transparent yellow.

Odor: acre.

Boiling point: higher than 200°C.

Characteristics of inflammability:

Point flash: > 130°C

Temperature of car ignition: Higher than 270°C

Density: "915 kg/m³

Viscosity: 40 centistoke (or mm²/s) with 40°C

Vapor tension: lower than 40Pa with 100°C

Solubility:

- in water: insoluble.
 - in organic solvents: soluble in various organic solvents
- Partition coefficient n-octanol/eau: log Pow: superior with 3.9

3 - Identification of the dangers

Principal dangers of the pure active products:

Effects on the people in the event of over-exposure:

The vapor can cause an irritation of the eyes and respiratory tracts.

A contact prolonged with the skin can cause an irritation

Its ingestion can cause nauseas

Effects on the environment: Not to pour in the environment

Physical and chemical dangers:

Do not present a particular danger of fire or explosion at ambient temperature. Flammable at high temperatures.

4 - First aid

- Inhalation: In the event of inhalation of the fume or aerosols, to leave the person to the fresh air. In the event of persistence of cough, to consult a doctor.

Contact with the skin: Immediate rinsing with water and the soap, In the event of significant contact: to consult a doctor if required.

Contact with the eyes: Immediate rinsing with water, to consult an ophthalmologist in the event of irritation.

•Ingestion: Never not to try to make vomit, rinse the mouth with water

In the event of faintness prolonged to consult a doctor.

5 - Measurements of fire control

•Average of extinction:

- Adapted: Foam, spray water, dry powders, carbon dioxide

- Disadvised: Water jet

Specific dangers: Possible formation of carbon monoxide and organic compounds (ketones, hydrocarbons...).

•particular Methods of intervention:

Not to breathe the fume. To evacuate the personnel with the shelter of the fume.

To cool with spray water the capacities exposed to heat.

Protection of the speakers: Respiratory apparatus of protection autonomous insulator.

Other recommendations: To evacuate the nonessential personnel

6 - Measurements in the event of accidental dispersion

Individual precautions: To avoid the contact with the skin and the eyes.

Not to breathe the fume.

suitable nitrile or chloroprene gloves.

protection of the eyes and the face.

impermeable boots.

respiratory apparatus of protection with organic vapor filter of type NPF 400.

To stop the escape. To rectify packing damaged to stop the flow of the liquid.

To recover the product as soon as possible.

Precautions for the environmental protection:

Not to pour with the sewer and in the rivers (produced dangerous for the environment).

In the event of significant spreading, to dam up to contain the flow.

Methods of cleaning:

- Recovery: to pump the product to the maximum.

- Neutralization: To absorb the nonrecoverable liquid with:

sawdust or an absorbent organophile

sand or ground.

- Nettoyage/décontamination: To wash the nonrecoverable remainder with soapy water.

- Elimination: Not to drive back with the sewer.

For the elimination of the matters or solid residues, to conform to the legislation

7 - Handling and storage

Technical measurements: To use only materials resisting alkalis and caustics.

Precautions to be taken: To avoid any direct contact with the product.

To avoid any contamination of the ambient conditions.

To work in a well broken down place.

The Councils of use: Manipuler/mettre works about it by complying with the general rules of industrial safety.

To handle and open the container with prudence.

To observe the condition of uses.

Not to mix with the incompatible matters (see list with section 10).

Conditions of handling and storage:

To avoid the formation of fog in a non-ventilated part

To move away from the flames or heat sources intense

Ambient temperature, if possible except freezing

Materials of storage:

- Recommended: Material resistant to hydrocarbons and oils (Stainless steel, ordinary steel, aluminium...).
- Disadvised: Material nonresistant to hydrocarbons and oils (natural rubbers, butyl...).

8 - Control exposure/individual protection

Measurements of a technical nature: Do not require particular specific measures, subject complying with the general rules of safety and occupational hygiene (mineral oil mist: TVL-8h TWA: 5mg/m³; MAC: 10mg/m³).

• Individual protection equipment:

- respiratory Protection: If ventilation is adapted, the port of a respiratory protection is not essential.

In the event of vapor release:

Apparatus of respiratory protection autonomous insulating.

- Protection of the hands: Protective gloves out of PVC.
- Protection of the eyes: Glasses of safety with side protections.
- Protection of the skin and the body:

Protective clothing (closed handles and collars).

PVC boots.

• Average emergency collectives:

Showers of safety.

Ocular fountains.

Measurements of hygiene: Not to let dry the product on the skin.

To wash the hands after any handling.

To separate the working clothes from the town clothes.

9 Stability and reactivity

• Stability: Stable at ambient temperature and under the normal operating conditions.

• dangerous Reactions:

- Conditions to avoid: Extreme heat, flames, sparks
- Matters to be avoided: Powerful oxidants.

• Products of dangerous decomposition:

In the event of incomplete combustion: aldehyde, carbon monoxide, ketone, soot

10 - Toxicological information

Oral acute toxicity: DL50: > 2 000 mg/kg.

Dermic acute toxicity: DL50: > 2 000 mg/kg.

Acute toxicity of inhalation: LC50: > 5 mg/l

Local effects: Not irritating by cutaneous application in the rat. (Produced pure).

Can cause a light irritation of the skin, eyes or respiratory tracts, in the event of prolonged or repeated contact. (Data bibliographiques). Un drying of the skin is possible

Note: This information is based on the knowledge of the substances present in this product and on the basis of toxicological data of similar substances.

11 - Ecological information

• Mobility:

- Ground: The mobility is based on the physicochemical properties of the product
- Water: The mobility is based on the physicochemical properties of the product, Insoluble in water

• Dégradabilité: Slow biodeterioration

Bio accumulation: Log Higher Pow à 3.9

Note: This information is based on the knowledge of the substances present in this product and on the basis of ecotoxicological data of similar

substances.

12 - Considerations relating to elimination

- Elimination of the product: To incinerate or recycle by a specialized company.
- Elimination of packing: According to the national legislation into force in the user

Notice 

The attention of the user is drawn to the possible existence of legislation, regulations and administrative provisions specific, Community, national or local, relating to elimination, relating to it.

13 - Information relating to transport

No risks for transport in accordance with UM, IMO, ADR/RID and IATA/ICAO

14 - Lawful information

Classification according to European directives': None

Symbolism according to European directives': None

Indications of risk according to European directives': None

Indications of safety according to European directives': S23-24-25 and S60

15 - Other information

These indications are written on the current state of the knowledge based on the indications available of the substances present in the product. These indications do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report/ratio. Our responsibility cannot be required if the product is used for inappropriate goals. Our responsibility could not be committed in the event of non-observance of the legislation in force in the country of handling, of storage, use or elimination of the product and its packing.