



Safety Data Sheet For S0023 – 2 Stroke Oil

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

Name of Manufacturer/Supplier:

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Product Name: HP - 0781-319-84__
Product Type: Engine oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description:

Highly refined mineral oil (IP 346 DMSO < 3%) and additives.

Dangerous components:

Void

Additional information

For the wording of the listed risk phrases refer to section 16.

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Void

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

Label elements

Labelling according to EU guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

4. FIRST AID MEASURES

After inhalation

Supply fresh air; consult doctor in case of symptoms.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Do not induce vomiting; instantly call for medical help.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents

Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents

Water with a full water jet.

Special hazards arising from the substance or mixture

Can be released in case of fire, Carbon monoxide (CO)

Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Particular danger of slipping on leaked/spilled product.

Environmental precautions:

Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up:

Remove from the surface of water (e.g. skim or vacuum off) Should larger amounts of liquid run out stem it and dispose of it. Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.

Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 7 for information on safe handling.

See Section 13 for information on disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes and skin. No special precautions necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Prevent any penetration into the ground.

Information about storage in one common storage facility:

Store away from oxidizing agents. Must be stored in a collecting room.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

Do not carry cleaning cloths impregnated with the product in trouser pockets. Be sure to clean skin thoroughly after work and before breaks.

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Oil resistant gloves, The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

Safety glasses recommended during refilling.

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**General Information****Appearance:**

Form: Fluid

Colour: Red

Odour: Weak, characteristic

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: > 230 °C

Pour point: -27 °C

Flash point: 266 °C (cc)

Ignition temperature: >230 °C

Self-inflammability: Product is not self igniting.

Danger of explosion:

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Critical values for explosion:

Lower: 0.6 Vol %

Upper: 6.5 Vol %

Density at 20 °C 0.88 g/cm³ (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix

Segregation coefficient (n-octanol/water): > 3 log POW

Viscosity: kinematic at 100 °C: 12.6 mm²/s

Solvent content:

Organic solvents: 0.0 %

Water: 0.0 %

10. STABILITY AND REACTIVITY**Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known

Incompatible materials:

Avoid contact with strong oxidizing agents.

Hazardous decomposition products:

None in case of intended use and storage in compliance with instructions.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

On the skin:

Longer or repeated contact with the product reduces the natural readipogenesis of the skin and results in the desiccation of the skin. That product can be absorbed via the skin.

On the eye:

Splashes can cause temporary eye irritation.

Sensitization:

Sensitive persons can possibly have allergic reactions. This is also valid below the fixed levels of exposure.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:

No further relevant information available.

Persistence and degradability

The product is biodegradable.

Behaviour in environmental systems:

Components:

A product that has flown out can lead to the formation of a film on the water surface which reduces the oxygen exchange and results in the organisms dying-off.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water bodies or sewage system. Danger to drinking water if even small quantities leak into soil.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. DISPOSAL RECOMMENDATIONS

Waste treatment methods

Recommendation

The waste code numbers mentioned are recommendations based on the probable use of the product. The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility.

European waste catalogue

| | |
|----------|---|
| 13 00 00 | OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) |
| 13 02 00 | waste engine, gear and lubricating oils |
| 13 02 05 | mineral-based non-chlorinated engine, gear and lubricating oils |

Uncleaned packagings:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RID-GGVSE Class: No hazardous good.

Maritime transport IMDG:

IMDG Class: No hazardous good.

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: Not Restricted.

Special precautions for user

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulations****Water hazard class:**

Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet:

The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr.Rhein Beratungsund Prüfgesellschaft mbH, Phone: +49 5066 900990.

Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability for such information for his own particular use.