SAFETY DATA SHEET

P-18 MARINE

Lubricant additive for marine engines, gearboxes and hydraulics

In accordance with Regulation (EC) No 1907/2006 (REACH), art. 31 · Globally Harmonized System (GHS)

MANUFACTURER REVISION 13/06/2022
ORIGINAL LANGUAGE French (English translation)
PRODUCT CODE Mécarun P 18 · Marine line
SIGNAL WORD **DANGER**

HAZARD PICTOGRAMS



GHS08 Health hazard

1 SECTION 1 · IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Trade name	P-18 Marine
Type of use	Lubricant additive for marine engines, gearboxes and hydraulics. Before any use, always consult the directions for use in the technical data sheet.
Supplier	Distributor – manufacturer
Formulation	Hi-Tec International (France). Composition: see section 3.
Manufacturer	**Hi-Tec International** · 59 rue de l'Égalité, 16160 Gond-Pontouvre, France · Tel. +33 5 45 69 21 21 · Fax +33 5 45 69 38 89
Exclusive distributor for Central and Latin America	**Apuqueña Car, S.A. (Meca-Run Latin America)** · Corporate ID 3-101-429961 · Heredia, Costa Rica · Tel. (506) 4002-2546 · WhatsApp (506) 8377-9999 · info@mecarun.cr · www.mecarun.cr
Emergency telephone numbers	Costa Rica: **911** · National Poison Control Centre (CNCI): **(506) 2223-1028** · Paris Poison Control Centre (manufacturer): +33 1 40 05 48 48

2 SECTION 2 · HAZARDS IDENTIFICATION

Classification and label elements (GHS)

Main hazards	Aspiration toxicity, category 1 (Asp. Tox. 1)
Contains	White mineral oil (petroleum) < 50 %. Hydrocarbons C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics (CAS 64742-48-9).

H304	May be fatal if swallowed and enters airways.
P301+P310	IF SWALLOWED: immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional, national or international regulations.

Other hazards

Specific risks and main symptoms	No data available

3 SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature	Mixture
Hydrocarbons C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	EINECS 918-481-9 · CAS 64742-48-9 · ≤ 5 % H304

Paraffin (white mineral oil)	CAS 8042-47-5 · EC 232-455-8 · REACH 01-2119487078-27 · < 60 % H304 (former classification: Xn, R65)
Components contributing to the hazard	Dearomatized, benzene < 50 ppm
Hazardous impurities	Sulphur < 5 ppm

4 SECTION 4 · FIRST-AID MEASURES

Respiratory tract	Move the affected person quickly to fresh air, using suitable respiratory protection. Give artificial respiration if breathing has stopped, keep the person at rest and consult a doctor promptly.
Skin contact	Wash affected areas thoroughly with soap and water. Remove contaminated clothing, including footwear, and do not reuse until washed.
Eye contact	Rinse the eyes thoroughly with water until the irritation disappears. If it persists, consult a specialist.
Ingestion	Do not induce vomiting. Consult a doctor. If the person is lying on their back and vomiting, place them on their side.
Notes to physician	If aspiration into the lungs is suspected (for example, during vomiting), take the person to hospital urgently.

5 SECTION 5 · FIREFIGHTING MEASURES

Suitable extinguishing media	CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam. Adapt extinguishing measures to the surroundings.
Unsuitable extinguishing media	High-volume water jet.
Specific hazards	Carbon monoxide (CO). Vapours, heavier than air, may travel a considerable distance along the ground to an ignition source before igniting or detonating. In case of fire, hazardous fumes are produced: CO, CO_2, sulphur oxides, aldehydes.
Special firefighting procedures	Wear self-contained breathing apparatus. Do not breathe explosion or combustion gases.
Protection of emergency responders	Cool exposed containers with water spray.

6 SECTION 6 · ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection and safety equipment. Keep unprotected persons away. Spills may be slippery. Provide suitable protection for cleaning personnel.
Environmental precautions	On boats and in marinas, avoid any spill into the water during transfer and refuelling; use containment trays and absorbent material on board. If the product enters waters or sewers, notify the competent authorities. Do not discharge into drains, surface water or groundwater.
Cleaning methods	Contain the liquid with dikes and absorb it with absorbent material (sand, diatomaceous earth, acid binder, universal binder, sawdust). Dispose of the contaminated material as waste according to section 13. Ensure sufficient ventilation.

7 SECTION 7 · HANDLING AND STORAGE

Handling

Precautions	Earth the containers: the product accumulates static electricity. Ensure good ventilation/extraction at the workplace. Avoid the formation of aerosols. When transferring large quantities without extraction, use respiratory protection. Pneumatic transport with nitrogen only.
Recommendations for use	See technical data sheet. Keep away from ignition sources. No smoking. Take measures against electrostatic charges. Do not spray onto a flame or incandescent material. Vapours may form an explosive mixture with air.

Storage

Precautions	Same as for handling (earthing, ventilation, avoid aerosols).
Storage conditions	Temperature below 35 °C. Keep containers tightly closed. Store in a cool, dry place, in tightly closed drums.
Incompatible materials	Do not store with oxidizing or acidic substances.
Packaging materials	Iron, polypropylene.

8 SECTION 8 · EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures	Ensure effective ventilation. Respect occupational exposure limit values and minimize the risk of inhaling vapours.
Control parameters	Observe the usual safety measures for chemicals. Keep away from food, drink and animal feed. Take off contaminated or soaked clothing immediately. Wash hands before breaks and at the end of work. Do not breathe gases, vapours or aerosols. Avoid contact with eyes and skin.

Personal protective equipment

Respiratory protection	Wear respiratory protection if ventilation is insufficient (EN 529).
Hand protection	Solvent-resistant neoprene gloves (EN 374 / EN 407). Check permeability before each use. Under-gloves or barrier creams are recommended to prevent softening of the skin by sweat. As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance and must be checked before use.
Eye protection	Tight-fitting safety goggles (EN 166).
Skin and body protection	Protective work clothing.

9 SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Free-flowing liquid
Colour	Red
Odour	Practically odourless
pH	Not measurable
Decomposition temperature	> 200 °C
Flash point	> 60 °C
Auto-ignition temperature	> 200 °C
Explosive properties	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Density	0.895 kg/L
Solubility	Insoluble in water; soluble in hydrocarbons.
Partition coefficient n-octanol/water	Not determined
Solidification temperature	Not determined

10 SECTION 10 · STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use.
Conditions to avoid	Heat, flames and other ignition sources.
Incompatible materials	Strong oxidizing agents.

Hazardous decomposition products	Thermal decomposition or combustion may release carbon oxides and other toxic gases or vapours.

11 SECTION 11 · TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 > 2,000 mg/kg (oral, rat)
Inhalation	May cause respiratory irritation.
Ingestion	Harmful: may cause lung damage if swallowed.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	May cause transient eye irritation.
Sensitization	In case of prolonged exposure, possible sensitizing effect by skin contact.
Chronic and long-term toxicity	Degreases and dries the skin. May cause migraines.
Specific effects	No data available

12 SECTION 12 · ECOLOGICAL INFORMATION

Mobility	Volatile
Persistence and degradability	Slowly biodegradable.
Bioaccumulation	No data available
Ecotoxicity	Do not allow to enter groundwater, surface water or drains. Avoid release to the environment.

13 SECTION 13 · DISPOSAL CONSIDERATIONS

Waste	Classified as hazardous waste. Do not allow to enter sewers. Requires special treatment in accordance with legal provisions.
Packaging	Packaging that cannot be cleaned must be disposed of in the same way as the product.

Neither the product nor its packaging may be released into the environment or into sewers. Have the waste collected by an authorized waste management company and comply in all cases with applicable national and local regulations.

14 SECTION 14 · TRANSPORT INFORMATION

UN number	Not classified
Land transport (ADR/RID)	Not applicable
Sea transport (IMDG)	Not applicable
Air transport (ICAO-TI / IATA-DGR)	Not applicable

15 SECTION 15 · REGULATORY INFORMATION

Label elements	DANGER. Contains white mineral oil (petroleum) < 50 %; hydrocarbons C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics (CAS 64742-48-9). H statements and P statements: see section 2.
Authorizations and restrictions	No additional data

16 SECTION 16 · OTHER INFORMATION

Use	Product reserved for use in 2- and 4-stroke marine engines, gearboxes, sterndrives, shafts, hydraulic steering systems and winches.
Documentary basis	Manufacturer's SDS (Hi-Tec International, France), with the designation and use of the Marine line.
Optimal shelf life	24 months (best-before date)
Paris Poison Control Centre (manufacturer)	+33 1 40 05 48 48
Revision date	The first page of the original shows 13/02/2022 and the following pages 13/06/2022; the most recent date is used.
Manufacturer's note	The information is provided in good faith, based on our current state of knowledge. It may be modified in light of new regulations or new technical knowledge.

This sheet is the English translation of the manufacturer's original Safety Data Sheet (Hi-Tec International, France), revision 13/06/2022. In case of discrepancy, the original French document prevails. The information is provided in good faith based on current knowledge and does not exempt the user from complying with applicable national regulations.