

Kohe-Tech Systems S.L.**K-FLON MOTOR**

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product: K-flon Motor

Code: *K-flon Motor*

1.2. Relevant identified uses of the substance or mixture and uses advised against

Lubricant

1.3. Details of the supplier of the safety datasheet

Registered company name : Kohe-Tech Systems S.L.

Address: Calle Industria, 3 – 08212 Sant Llorenç Savall Bcn. Spain

Telephone : Tél : 00 (34) 646 293 888 – Fax : 00 (34) 93 456 64 19

Emergency telephone number: 00 (34) 646 293 888

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Labellements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH210

Safetydatasheetavailableonrequest.

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 649-471-00-X CAS: 64742-62-7 EC: 265-166-0			L	50 <= x % < 100
RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED				

KOHE – TECH SYSTEMS SL

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Information on ingredients :

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP346 method.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:

Inhalation of vapors in high concentration may cause irritation of the respiratory system

In the event of splashes or contact with eyes :

In case of contact with eyes, rinse with water. If irritation occurs, consult immediately a doctor

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. DO NOT use solvents or thinners.

In the event of swallowing :

Seek medical attention, showing the label.

DO NOT INDUCE VOMITTING

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- foam
- powder
- carbon dioxide(CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- waterjet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Incomplete combustion produces gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These can be very dangerous if inhaled in confined spaces or in high concentrations.

5.3. Advice for firefighters

Use individual protection equipment. Wear an autonomous respiratory protection apparatus

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Contain and collect spillage with non-combustible absorbent materials, eg sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

6.4. Reference to other sections

Dispose of according to local / national regulations (see section 13).

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safehandling

Always wash hands after handling.

Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Fire prevention :

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains mineral oil. In cases conducive to the formation of fog, check TLV 5mg/m³, for 8 hours to check any mineral oil mists.

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8.2. Exposurecontrols

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Handprotection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

- Bodyprotection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

In case of insufficient ventilation, wear a respirator (EN141 mask with a filter A/P2)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical

properties General information:

Physicalstate:	Fluid liquid.
Particlesize:	D90 ≤ (1,50 ± 0.50)µm

Important health, safety and environmental information

pH:	Notrelevant.
Boiling point/boilingrange:	Notspecified.
Flash pointinterval:	Notrelevant.
Vapour pressure(50°C):	Notrelevant.
Density:	= (1.05 ±0.05)
Watersolubility:	Insoluble.
Viscosity:	(2000 ± 100) mPa.s – à35°C
Melting point/meltingrange:	Notspecified.
Self-ignitiontemperature:	Notspecified.
Decomposition point/decompositionrange:	Notspecified.

9.2. Otherinformation

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

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10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

10.5. Incompatible materials

Keep away from :

- strong acids
- strong oxidising agents
- strong bases

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. During combustion, the following also form oxides of sulfur, oxides of nitrogen.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

Acute toxicity:

Inhalation of vapors in high concentration may cause irritation of the respiratory system.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin corrosion/skin irritation :

The product should not be a primary skin irritant. Based on data from components or similar materials. Prolonged skin contact or repeated, as with clothing wetted with material may cause dermatitis. Symptoms may include redness, edema, dryness and cracking of the skin.

This product contains mineral oils which are considered extremely refined and are not considered to be carcinogenic by IARC. All product oils were found to contain less than 3% extractables by the IP 346 test.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

The product is insoluble in water

12.2. Persistence and degradability

Partially biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

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SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

13 0899* wastes not otherwise specified

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2012).

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information include in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 286/2011

- Container information:

No data available.

- Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

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SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

No labelling requirements for this mixture.

Risk phrase :

Safety data sheet available for professional user on request.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).