



SAFETY DATA SHEET

PAG OIL ISO 46 for R744(CO2)

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Compilation date: 24/07/2014

Revision date: 09/08/2017

Revision No: 3.0

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PAG OIL ISO 46 for R744(CO2)

Cod.11.405 – 11.406

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

Use of substance / mixture: Lubricating oil.

1.3. Details of the supplier of the safety data sheet

Company name: ELKE S.r.l.

Via XXV Aprile 202

10042 Nichelino (To) Italia.

Tel: +39 011 9622412

Email: info@elke-ac.com

1.4. Emergency telephone number

Emergency tel: Centro Antiveleni Ospedale Niguarda Milano +39 02.66101029

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: PAG OIL ISO 46 for R744(CO2)

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Flush the eye immediately with water. If discomfort persists, obtain medical attention.

Ingestion: If swallowed, do not induce vomiting. Never administer anything by mouth if a casualty is losing consciousness, is unconscious or is convulsing. Wash out mouth with water. If rapid recovery does not occur, obtain medical attention.

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: None known.

Eye contact: None known.

Ingestion: None known.

Inhalation: None known.

Delayed / immediate effects: None known.

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

Immediate / special treatment: None known.

Section 5: Fire-fighting measures

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon

5.1. Extinguishing media

dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: We recommend storing in original packaging. Stainless steel.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Impermeable gloves. Always seek advice from glove supplier.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless/pale yellow.

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Insoluble

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: 210 (COC)

Autoflammability°C: No data available.

Relative density: No data available.

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: No data available.

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9.2. Other information

Other information: Viscosity @ 40°C (ASTM D445): 45 cSt (typical). Specific gravity g/cc @ 15°C (ASTM 1298): 0.9893 (typical). Pour point °C: -52 (typical).

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Sources of ignition. Flames. Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: None known.

Eye contact: None known.

Ingestion: None known.

Inhalation: None known.

Delayed / immediate effects: None known.

Other information: None known.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

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12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: * None known.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as normal industrial waste.

Recovery operations: Storage of waste pending any of the other recovery operations (excluding temporary storage, pending collection, on the site where the waste is produced).

Waste code number: 13 02 06

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: No

N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

Section 15: Regulatory information

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

Specific regulations: Global Chemical Inventories: EC (EINECS) - All components listed or exempt. US (TSCA) - All components listed or exempt. Canada (DSL) - All components listed or exempt. Australia (AICS) - All components listed or exempt. Philippines (PICCS) - All components listed or exempt. China (IECSC) - All components listed or exempt.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: * This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and

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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.