

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



PETROFER
industrial oils and chemicals

Article No.: 519013
State/ Print date: 18.08.2016
Version: 4.4

Isotex 46
Revision date: 26.05.2015
Issue date: 22.05.2015

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Identification of the substance or mixture Isotex 46

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

Relevant identified uses

Lubricant
Industrial uses

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

PETROFER-CHEMIE

Römerring 12-16

DE-31137 Hildesheim

Telephone: +49 5121/7627-0

Telefax: +49(0)5121/54438

Dept. responsible for information:

E-mail (competent person)

MSDS@Petrofer.com

1.4. Emergency telephone number

Emergency telephone number

+44(0)1235 239670 Petrofer-NCEC29003

+49 5121/7627-0

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H302

Harmful if swallowed.

Precautionary statements

P270

Do not eat, drink or smoke when using this product.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

contains:

Polyglycole

Supplemental Hazard information (EU)

n.a.

2.3. Other hazards

3. Composition / Information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description contains derivates of glycol

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No.

REACH No.

CAS No.

Chemical name

INDEX No.

classification:

Wt %

Remark

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25322-69-4

Polyglycole
Acute Tox. 4 H302

40 < 100

4. First-aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

foam, powder, carbon dioxide, waterspray

5.2. Special hazards arising from the substance or mixture

None

Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

Small quantities of residues may be drained using a lot of water.

7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

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When using do not eat, drink or smoke. Avoid unnecessary contact. Avoid release to the environment.

Precautions against fire and explosion:

See chapter 9 for flashpoint!

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. According to the regional regulations.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C. Protect from heat and direct sunlight.

7.3. Specific end use(s)

Observe technical data sheet.

8. Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values:

EC No. CAS No.	Description	type	Limit value STEL (EC) TWA (EC)	Unit
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Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls

Respiratory protection

Do not breathe gas/vapour/aerosol.

Respiratory protection necessary at: aerosol or mist formation and insufficient exhaust

Filtering Half-face mask (DIN EN 149): P2 . Usually no personal respirative protection necessary.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber) PVC (Polyvinyl chloride) CR (polychloroprene, chloroprene rubber) Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Apron

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state	liquid
Colour	clear-slightly yellow
Odour	sweetish

Safety relevant basis data	Measured values	Unit	Method	Remark
Flash point: ca.	214	°C	ISO 2592	
Ignition temperature in °C	n.a.			
Lower explosion limit	0,6	Vol-%		literature value
Upper explosion limit	10,0	Vol-%		literature value

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Density at 20 °C: ca.	1,007 g/cm ³	DIN 51757
Water solubility (g/L)	dispersible	
pH at 20 °C (1,0 Wt %): ca.	neutral	DIN 51369
Viscosity at 40 °C: ca.	46	mm ² /s DIN 51562/1
Initial boiling point and boiling range : ca.	100 °C	
Pourpoint: <=	-44 °C	ISO3016

9.2. **Other information:**

10. Stability and reactivity

10.1. **Reactivity**

10.2. **Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. **Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.5. **Incompatible materials**

No special

10.6. **Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

No special

Additional information

The product is free from chlorine, PCB and PCT.

11. Toxicological information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Ingestion of larger quantities may pose a health risk.

Other observations:

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

There is no information available on the preparation itself .

12. Ecological information

overall evaluation

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Classification according to Regulation (EC) No. 1272/2008 [CLP]
There is no information available on the preparation itself .
Do not allow to enter into surface water or drains.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

120110 synthetic machining oils

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14. Transport information

No dangerous good in sense of this transport regulation.

14.1. UN number

n.a.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

n.a.

14.4. Packing group

n.a.

14.5. Environmental hazards

Land transport (ADR/RID)

n.a.

Marine pollutant

n.a.

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information

Land transport (ADR/RID)

tunnel restriction code

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Sea transport (IMDG)

EmS-No. n.a.

- 14.7. **Transport in bulk according to Annex II of MARPOL and the IBC Code**
not applicable

15. Regulatory information

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

EU legislation

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

Substance/product listed in the following inventories:

All ingredients are listed in or exempt from the EPA Toxic Substance Control Act (TSCA)

- 15.2. **Chemical Safety Assessment**

Chemical safety assessments for substances in this preparation were not carried out.

16. Other information

Full text of classification in section 3:

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Additional information

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.