



PRODUCT SAFETY DATA SHEET

eni ALARIA S ID

Date : 27/11/2017

Version : 01

Product Code : IDT003

1. Identification of the product

Identification of the substance or preparation:	eni ALARIA S ID
Type of product and use :	Heat transfer oil
Company identification :	PT. ALP Petro Industry
Address and telephone no. :	Raya Kebonsari Ds Legok Dk Tempel, PO BOX 100 Gempol – Pasuruan (67155) INDONESIA Tel. (+62) 0343 – 853308 Fax. (+62) 0343 – 853307
Licensors:	Eni S.p.A Via Laurentina 449 00142 Rome – ITALY

2. Composition/information on ingredients

Components :	Alkyl benzene (100.0%)
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3. Hazards identification

Important hazards :	This product is of low oral and dermal toxicity and under normal conditions of use should present no significant health hazards. However in common with most mineral oils, prolonged and repeated skin contact may cause dermatitis. Handling precautions must be strictly observed.
General informations :	Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to a hospital as soon as possible, to get specialized medical treatment.

4. First aid measures

Skin contact :	Take off contaminated clothing and shoes. Wash thoroughly with soap and water. Seek medical attention if needed.
Eye contact :	Immediately flush with plenty of water for at least 15 minutes and seek medical attention if irritation persists.
Ingestion :	If large amount is swallowed, do not induce vomiting to avoid aspiration into the lungs and seek medical attention.
Aspiration of liquid into the lungs :	If there is the possibility that the product has been aspirated into the

lungs (i.e. in case of spontaneous vomiting), transport the victim to a hospital.

Inhalation :

In case of exposure to a high concentration of vapors, remove the victim from exposure and keep at rest. Seek medical attention if necessary.

5. Fire-fighting measures

Extinguishing media :

- Suitable :

Carbon dioxide, dry chemicals, foam, water spray (fog).

- Not to be used :

Do not use water jets

Other information :

Spilled product which is not burning should be covered with sand or foam. Use water sprays to cool the surfaces exposed to the flames.

Special protective equipment :

Wear a suitable breathing apparatus if smoke is present.

Useful precautions :

Avoid accidental sprays (i.e. from broken couplings) on hot surfaces or electrical contacts (switches, outlets and the like). In case of losses from pressurized circuits, the sprays may form oil mists. Take into account that the lower explosion limit for oil mists is about 45 g oil/m³ air.

6. Accidental release measures

General measures :

Shut off source of spill, if possible.

Methods for cleaning up :

- On soil :

Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid. Clean contaminated area. Dispose of according to local regulations.

- On water :

Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

7. Handling and storage

Storage :

Keep container tightly closed, in a cool, well-ventilated area

Handling :

Keep away from sources of ignition.

8. Exposure controls/personal protection

Exposure control :

TLV-TWA (A.C.G.I.H. 2000) : 5 mg/m³ (mineral oil mists)

TLV-STEL (A.C.G.I.H. 2000) : 10 mg/m³ (mineral oil mists)

- Open spaces :

No special measures.

- Confined spaces :

Aspirators in case of oil mist; protective shields, in case of oil splashes.

Hand/eyes/skin protection :

Mineral oil resistant gloves, overalls. Gloves must be felt-lined.

Hygiene measures :

Do not drink, eat or smoke with dirty hands.

Wash hands before going to the toilet.

Do not clean hands with dirty or oil-soaked rags.

Change clothes if they are dirty or soaked, and in any case at the end of the working shift.

Wash hands with water and soap; do not use solvents or other irritant products which have a defatting effect on the skin.

9. Physical and chemical properties

Appearance :	Straw Yellow Liquid (ASTM D 4176/1)
Odour :	Odorless
Colour :	Not determined
Density at 15°C :	862 kg/m ³ (ASTM D 1298)
Boiling point/range :	370-420°C (at 10 mmHg) (ASTM D 1160)
Vapor pressure :	< 0.1 kPa (20°C)
Viscosity at 40°C :	21.7 mm ² /s (ASTM D 445)
Solubility in water :	Insoluble in water
pH :	Not applicable
Flash point :	≥ 200°C (ASTM D 92)
Auto-ignition temperature :	> 300°C (DIN 51794)
Explosion limit :	
- Lower :	Not determined.
- Upper :	Not determined.
Partition coefficient (P o/w) :	Not determined.

10. Stability and reactivity

Thermal decomposition products :	CO _x , HC
Stability :	Stable at normal temperatures and pressures
Hazardous reactions :	None
Materials to avoid :	Strong oxidants
Conditions of to avoid:	Heat, flames, sparks and other sources of ignition; incompatibles

11. Toxicological information

Skin contact :	Acute exposure: No data available Chronic exposure: May cause de-fatting of the skin and subsequent dermatitis Slightly irritating to rabbit
Eye contact :	Acute: Direct contact of aromatic hydrocarbons with the eye causes

irritation, itching, and a burning sensation.

Chronic exposure: No data available

Slightly irritating to rabbit

Ingestion :

Acute exposure: Aromatic hydrocarbons may cause central nervous system depression and possible liver and kidney injury.

Chronic exposure: No data available

Inhalation :

Acute exposure: Vapors may cause irritation, central nervous system depression, pulmonary edema and possibly hepatic, renal or bone marrow disorders.

Chronic exposure: No data available

12. Ecological information

General information :

Eco-toxicity: Not available

BOD5 and COD: Not available

Biodegradation: Inherently biodegradable

13. Disposal considerations

Disposal of product :

Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water sources. Deliver to a qualified official collector

European Waste Catalogue Code :

13 02 02

Indonesian Waste Catalogue Code :

D 1005 d (PP No. 18/1999)

Disposal of packaging :

Dispose of in a safe manner, in accordance with local regulations.

14. Transport information

RID/ADR :

Does not belong to any class of danger

ICAO/IATA :

Does not belong to any class of danger

IMO-IMDG code :

Does not belong to any class of danger

15. Regulatory information

Applicable laws and regulations :

National laws on classification and labeling of dangerous substances/preparations (Adoption of Directive 67/548/CEE and subsequent Adaptation to Technical Progress – ATP)

Relevant national laws on health and safety on the workplace.

National Adoption of Directive 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE.

Relevant national laws on prevention of water pollution.

National Adoption of Directive 75/439/CEE, concerning disposal of used oil.

Relevant national laws on recycling and re-used of waste materials.

16. Other information

NONE

This information relates only to the specific material and may not be valid if the material is used in combination with any other material or in any process.

The information in this sheet are according to our best knowledge at the date of printing.