



PRODUCT SAFETY DATA SHEET

eni i-sigma plus ID (SAE 30)

Date : 04/05/2017

Version : 01

Product Code : ID048

1. Identification of the product

Identification of the substance or preparation:	eni i-sigma plus ID (SAE 30)
Type of product and use :	Four stroke diesel engine 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 :	Paraffinic base stock (90.2%) Additives
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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.
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Eye contact :	Flush with large amounts of water; if irritation persists, seek medical attention.
Ingestion :	Do not induce vomiting to avoid aspiration into the lungs; 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; keep at rest; if necessary, seek medical attention.

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/m ³ 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 :	Storage temperature : ambient to 65°C max
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Handling : Store the product in cool, well ventilated surrounding.
Keep away from sources of ignition.

8. Exposure controls/personal protection

Exposure control :	TLV-TWA (A.C.G.I.H. 2000) : 5 mg/m ³ (mineral oil mists) TLV-STEL (A.C.G.I.H. 2000) : 10 mg/m ³ (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 :	Liquid, Bright & Clear (ASTM D 4176/1)
Odour :	Characteristic
Colour :	Not determined
Density at 15°C :	881 kg/m ³ (ASTM D 1298)
Boiling point/range :	> 200°C (at 10 mmHg) (ASTM D 1160)
Vapor pressure :	1.10-3 hPa (20°C)
Viscosity at 100°C :	11.4 mm ² /s (ASTM D 445)
Solubility in water :	Insoluble in water
pH :	Not applicable
Flash point :	240°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
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Stability :	Stable product
Hazardous reactions :	None
Materials to avoid :	Strong oxidants

11. Toxicological information

Oral toxicity :	LD50 greater than 5000 mg/kg
Dermal toxicity :	LD50 greater than 5000 mg/kg
Inhalation toxicity :	LC50 greater than 5 mg/l/4h
Other information :	<ul style="list-style-type: none">-Not irritating to eyes and skin-Minor irritation may occur after prolonged or repeated contact, especially if normal hygienic rules are not respected.-None of components of this product are listed as carcinogen by NTP, IARC, OSHA, EU or others.-No components of this product are included in the EU list of dangerous substances (Annex I of Directive 67/548/EEC and its ATP's)

12. Ecological information

General information :	<p>This product is expected to be resistant to biodegradation and to persist in the environment.</p> <p>No specific environmental data are available for this product.</p> <p>Handle according to general working hygiene practices to avoid pollution and release into the environment.</p>
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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.