



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

1.1 Product identifier:

Product name: eni Rotra HY DB synth 75W-90

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

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Section 2. Hazards identification.

2.1 Classification of the substance or mixture: The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No. 1272/2008 as amended:

Environmental Hazards:

Chronic hazards to aquatic environment: Category 3 – H412: Harmful to aquatic life with long lasting effects

Hazard summary:

Physical hazards: No data available.

2.2 Label elements:

Hazard statements: H412: Harmful to aquatic life with long lasting effects

Precautionary statements:

Prevention: P273: Avoid release to the environment

Supplemental label information: EUH208: Contains Alkyl amine, long chain, Alkyldithiothiadiazol, long chain. May produce an allergic reaction.

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

Section 3. Composition/information on ingredients.

3.2 Mixtures:

General information: Mixture of synthetic base oils with additives.

Chemical name	Concentration*	Identifier	REACH Registration No.	Notes
Alkyl amine, long chain	0,25 - < 1,00%	EINECS: 273-279-1	01-2119456798-18	
Alkyl dithiophosphate	0,25 - < 1,00%	EC: 401-850-9		
Alkyldithiothiadiazol, long chain	0,10 - < 1,00%	EINECS: 256-616-7		

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: Persistent, bioaccumulative and toxic substance

vPvB: Very persistent and very bioaccumulative substance

Classification:

Chemical name	Identifier	Classification	
Alkyl amine	EINECS: 273-279-1	CLP	Acute Tox. 4; H302, Acute Tox. 2; H330, Acute Tox. 3; H311, Skin Corr. 1B; H314, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Sens. 1A; H317, STOT SE 3 ; H335
Alkyl dithiophosphate	EC: 401-850-9	CLP	Aquatic Acute 1; H400, Aquatic Chronic 1; H410 Eye Irrit. 2; H319
Alkyldithiothiadiazol, long chain	EINECS: 256-616-7		Skin Sens. 1B; H317

CLP: Regulation No. 1272/2008

For the wording of the listed risk phrases refer to section 16.



Section 4. First aid measures.

General:	Instantly remove any clothing soiled by the product.
4.1 Description of first aid measures:	
Inhalation:	Supply fresh air; consult doctor in case of symptoms.
Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lid.
Skin contact:	Wash with soap and water.
Ingestion:	Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	May cause skin and eye irritation.
4.3 Indication of any immediate medical attention and special treatment needed:	Get medical attention if symptoms occur.

Section 5. Fire fighting measures.

5.1 Extinguishing media:	
Suitable extinguishing media:	CO ₂ , fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol-resistant foam or spray water with suitable tensides added.
Unsuitable extinguishing agents:	Water with full water jet.
5.2 Special hazards arising from the substance or mixture:	During fire, gases hazardous to health may be formed.
5.3 Advice for fire fighters:	
Special fire fighting procedures:	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
Special protective equipment for fire fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures:	In case of spills, beware of slippery floors and surfaces.
6.2 Environmental precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e. g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.
6.3 Methods and material for containment and cleaning up:	Absorb with liquid binding material such as sand, diatomite, acid binders, universal binders or sawdust. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
6.3 Reference to other sections:	See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling. See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1 Precautions for safe handling:	Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.
7.2 Conditions for safe storage, including incompatibilities:	Local regulations concerning handling and storage of water polluting products have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the Flashpoint.
7.3 Specific and use(s):	Not applicable
Storage class:	10, combustible liquids

Section 8. Exposure controls/personal protection.

8.1 Control parameters:	
Occupational exposure limits:	None of the components have assigned exposure limits.



8.2 Exposure controls:

Appropriate engineering controls: Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

General information: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling chemicals and mineral oil products.

Eye protection: Safety glasses (EN 166()) recommended during refilling.

Skin protection:

Hand protection: Nitrile butyl rubber (NBR).
Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact penetration time of the gloves has to be requested from the manufacturer and has to be observed.

Other: Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory protection: Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/aerosol.

Thermal hazards: Not known

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental controls: No data available

Section 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state:	Liquid
Form:	Liquid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Not applicable for mixtures
pH:	Not applicable
Freezing point:	Not applicable for mixtures
Boiling point:	Value not relevant for classification
Flashpoint:	223°C
Evaporation rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability limit – upper (%):	Not applicable for mixtures
Flammability limit – lower (%):	Not applicable for mixtures
Vapour pressure:	Not applicable for mixtures
Vapour density (air=1):	Not applicable for mixtures
Density at 15°C:	0,84 g/cm ³ (DIN 51 757)
Solubility(ies):	
Solubility in water:	Insoluble in water
Solubility (other):	No data available
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto ignition temperature:	Value not relevant for classification
Decomposition temperature:	Value not relevant for classification
Kin. Viscosity at 40°C:	96,5 mm ² /s (DIN 51 562-1)



Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information:	No data available

Section 10. Stability and reactivity.

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible materials:	Strong oxidizing substances, strong acids, strong bases.
10.6 Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases.

Section 11. Toxicological information.

11.1 Information on toxicological effects:	
Acute toxicity:	
Oral:	
Product:	Not classified for acute toxicity based on available data
Dermal:	
Product:	ATEmix: 30.150 mg/kg
Inhalation:	
Product:	ATEmix: 51,26 mg/l, vapour
Skin corrosion/irritation:	
Product:	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation:	
Product:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	
Product:	Skin sensitizer: Based on available data, the classification criteria are not met. Respiratory sensitizer: Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	
Product:	Based on available data, the classification criteria are not met.
Carcinogenicity:	
Product:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	
Product:	Based on available data, the classification criteria are not met.
Specific target organ toxicity – single exposure:	
Product:	Based on available data, the classification criteria are not met.
Specific target organ toxicity – repeated exposure:	
Product:	Based on available data, the classification criteria are not met.
Aspiration hazard:	
Product:	Based on available data, the classification criteria are not met.
Other adverse effects:	No data available

Section 12. Ecological information.

Toxicity:	
Acute toxicity:	
Product:	Based on available data, the classification criteria are not met.
Chronic Toxicity:	
Product:	Based on available data, the classification criteria are not met.
12.2 Persistence and degradability:	
Biodegradation:	
Product:	Not applicable for mixtures



12.3 Bioaccumulative potential: Product:	Not applicable for mixtures
12.4 Mobility in soil: Product:	Not applicable for mixtures
12.5 Results of PBT and vPvB assessment:	The product does not contain any substances fulfilling the PBT/vPvB criteria
12.6 Other adverse effects:	Harmful to aquatic life with long lasting effects.
Water hazardous class:	WGK 2: water-endangering

Section 13. Disposal considerations.

13.1 Waste treatment methods:	
General information:	Dispose in accordance with all applicable regulations.
Disposal methods:	Discharge, treatment or disposal may be subject to national, state or local laws.
European Waste Codes:	13 02 06* - synthetic machine, gear and lubricating oils

Section 14. Transport information.

ADR/RID:	Non-dangerous goods
ADN:	Non-dangerous goods
IMDG:	Non-dangerous goods
IATA:	Non-dangerous goods
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable

Section 15. Regulatory information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
EU Regulations:	
Regulation (EC) No. 2037/2000 substances that deplete the ozone layer:	None
Regulation (EC) No. 850/2004 on persistent organic pollutants:	None
15.2 Chemical safety assessment:	No chemical safety assessment has been carried out.

Section 16. Other information.

The information contained in this safety data sheet is based on our current information level. It does not give assurance for certain product properties and does not establish a contractual relationship. 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 classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in Regulation EU 1272/2008 (CLP).

Relevant phrases:

H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life



H410 Very toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Changes: 3, 9, 11