



ZOH

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1 Product Identifier ZOH
Product Code ZOH/*
Type of product Mixture

1.2 Relevant identified uses of Hydraulic oil.

the substance or mixture and

uses advised against

1.3 Company

E.P.P. Euro Press Pack SPA

Do not use in any other application.

Via M. Disma, 87 16042 Carasco (GE)

1.4 Emergency Telephone

Number

+39 0185 35271 (Monday - Friday 08.30 - 17.00)

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or Not classified as hazardous in accordance with CLP (EC 1272/2008)

mixture and DPD (1999/45/EC)
2.2 Label Elements No labelling required

(P102) Keep out of reach of children

(P280) Wear protective gloves/protective clothing/eye protection/face

protection

2.3 Other Hazards Not considered to be carcinogenic under IARC. All of the oils in this

product have been demonstrated to contain less than 3% extractables

by the IP 346 DMSO test.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

Component	CE Number	REACH Reg. No.	Classification DSD	Classification CLP	%
Mineral Oil					≥95
Benzenamine (additive)	272-940-1	N/D	R52/R53	Aquatic Chronic 3, H412	0.05 min 0.149 max
Zinc dialkyldithiophosphate (additive)	224-235-5	01-2119493635- 27	Xi, N R41, R51/53	Eye Dam. 1, H318 Aquatic Chronic 2, H411	0.19 min 0.99 max
Reaction mass of isomers of: C7-9-alkyl 3- propionate (additive)	406-040-9	N/D	R53	Aquatic Chronic 4, H413	0.05 min 0.149 max



SAFETY DATA SHEET 02/11/2015

SECTION 4 FIRST AID MEASURES

Description of first aid measures 4.1

> Inhalation If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing,

remove to fresh air. If symptoms persist obtain medical advice.

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open.

Obtain medical advice if any pain or redness develops or persists.

Skin Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove

heavily contaminated clothing and wash underlying skin.

Ingestion If contamination of the mouth occurs, wash out thoroughly with water.

Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it

should occur, do not induce vomiting; obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed No ill effects known

Indication of immediate medical attention and special treatment needed, if necessary

Eye contact: immediately wash out with plenty of water

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media Foam, carbon dioxide or dry chemical. Water can be used to cool and protect

exposed material.

Specific hazards arising from the substance or mixture

Toxic fumes, gases or vapours may be evolved on burning. Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. See Stability and Reactivity, Section 10 of this Safety Data Sheet.

Wear self-contained breathing apparatus. Water may cause splattering. 5.3 Advice for fire-fighters

SECTION 6 ACCIDENTAL RELEASE MEASURES

Immediately evacuate all personnel from danger area. Wear Personal 6.1 Personal precautions, protective equipment and Protective Equipment. Eliminate all sources of heat, sparks, pilot lights, static electricity and open flames. Spilled material may make surfaces slippery. emergency procedures

6.2 Environmental precautions Protect drains from potential spills to minimise contamination. Do not wash

product into drainage system.

In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

6.3 Methods and material for containment and cleaning up Absorb into dry earth or sand. Protect drains using drain covers. Dispose of

as hazardous waste.

Personal protective equipment: See section 8 Reference to other sections

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with eyes. If splashing is likely to occur wear a full face visor

or chemical goggles as appropriate. Avoid frequent or prolonged skin

contact with fresh or used product.

Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled

cloths into pockets.

Use a suitable barrier cream at regular intervals.

7.2 Conditions for safe storage, Keep out of the reach of children. including any incompatibilities

Store under cover away from heat and sources of ignition.

Specific end use(s) Intended for use as a hydraulic oil.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

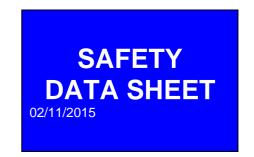
Control parameters

ACGIH

Substance Long Term (8 Hours **Short Term (15 Mins)** Country TWA) Fog of mineral oil, refined 5 mg/m³ 10 mg/m³ Italy - Portugal - USA

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Use local exhaust ventilation to control mists or vapours. 8.2 Exposure controls

Hand Protection: Nitrile or neoprene protective gloves

Eye Protection: Safety glasses **Skin Protection:** Protective clothing

Wash thoroughly after handling this product Hygiene Measures:

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Does not constitute a specification

Denomination ZOH

Typical Values

Units **Appearance** Amber Liquid

Odour Oilv

Odour Threshold No data available рΗ Not applicable

Pour point/range -30 ≥200 Initial boiling point and range °C

Flash point (COC) ≥185 No data available **Flammability**

Upper/lower flammability or explosive limits LEL \geq 45 g/m³

hPa (20°C) Vapour pressure ≤ 0.1

Relative density kg/dm³ 0.876 @ 20°C Solubility - water Insoluble - Fat/solvents Soluble

Partition coefficient n-octanol/water Not applicable Log Pow

Autoignition temperature ≥ 300

Decomposition temperature

No data avialable **Viscosity** mm²/s 32.02 @ 40°C

Evaporation rate Trascurable Vapour density Not applicable **Explosive properties** None

Oxidising properties None

VOC = 0 % 9.2 Other

Information

STABILITY AND REACTIVITY **SECTION 10**

No dangerous reactions known 10.1 Reactivity

Stable under normal conditions of use 10.2 Chemical stability

10.3 Possibility of No hazardous reactions under normal conditions of use. The contact with strong oxidants can create danger of fire. A mixture with nitrates and strong oxidants can hazardous reactions

create explosive masses.

Avoid high temperatures and strong oxidising agents. Avoid electrostatic charge in 10.4 Conditions to avoid

the area of use.

Avoid contact with strong oxidisng agents 10.5 Incompatible materials

Thermal decomposition products will vary with conditions. Incomplete combustion will 10.6 Hazardous generate smoke, carbon dioxide and hazardous gases, including carbon monoxide. decomposition In uncommon cases the product can degrade in small quantities of sulfur compounds, products

included H2S.

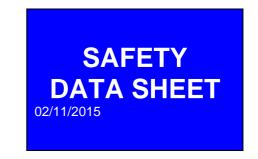
SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

-Oral No toxic components present at levels to cause classification. -Inhalation No toxic components present at levels to cause classification. -Dermal No toxic components present at levels to cause classification.





Corrosivity/Irritation

-Eve No components present that are classified as eye irritatnts.

- Skin No components present that are classified as skin irritants but may cause skin irritation due

to de-fatting effect on skin.

-Respiratory Tract No components present that are classified as respiratory irritants.

Sensitisation

- **Skin** No evidence of sensitisation effects. - **Respiratory** No evidence of sensitisation effects.

Repeated-dose No data available.

Toxicity

 Mutagenicity
 No evidence of mutagenicity.

 Carcinogenicity
 No evidence of carcinogenicity.

 Reproductive Toxicty
 No evidence of reproductive toxicity.

SECTION 12 | ECOLOGICAL INFORMATION

12.1 Toxicity Not classified as dangerous for the environment. No ecotoxic chemicals

present. In the water the damage for the animals is mechanic because the

product is not soluble in water and it creates a film on the surface.

12.2 Persistence and Degradability Inherently biodegradable, moderately persistent.

12.3 Bioaccumulative Potential No data available.

12.4 Mobility in Soil Spillages may penetrate the soil causing ground water contamination. Non-

volatile.

12.5 Results of PBT and vPvB

Assessment

No PBT or vPvB chemicals present.

12.6 Other Adverse Effects None known.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

SECTION 14 TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN, IMO, IATA/ICAO).

SECTION 15 | REGULATORY INFORMATION

15.1 Safety, health and environmental Reg. (CE) n. 1907/2006 (REACH);

regulations/legislation specific for the Reg. (CE) n. 1272/2008; substance or mixture Directive 89/391/CEE

 substance or mixture
 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,
 93/88/CEE,
 95/63/CE,
 97/42/CE,
 98/24/CE,

 99/38/CE,
 99/92/CE,
 2001/45/CE,
 2003/10/CE,

2003/18/CE; Directive 98/24/CE;

Directive 92/85/CE;

Directive 96/82/CE, 2003/105/CE;

Directive 2004/42/CE;

Labeling directive 67/548/CEE 1999/45/CE.

15.2 Chemical Safety AssessmentNo formal chemical safety assessment has been carried

out.

SECTION 16 OTHER INFORMATION

Fourth Version

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E.P.P. EURO PRESS PACK SPA