

SAFETY DATA SHEET

Biosafe HO 32 XE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued 20.12.2012

1.1. Product identifier

Product name Biosafe HO 32 XE

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

Use of the substance/preparation Hydraulic oil.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name Binol AB
Postcode SE-374 82
City Karlshamn
Country Sweden
Tel +46 (0)454 82800
E-mail jenny.porsche@aak.com
Website <http://www.binol.com>

Manufacturer

Company name AarhusKarlshamn Sweden AB
Postcode SE-374 82
City Karlshamn
Country Sweden
Tel +46 454 82800
Website <http://www.aak.com>

1.4. Emergency telephone number

Emergency telephone SOS:112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Substance / mixture hazardous properties Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Fresh air.
Skin contact Wash skin with soap and water. Remove contaminated clothing.
Eye contact Rinse with water. Contact physician if discomfort continues.
Ingestion Drink a few glasses of water or milk. Do not induce vomiting.

Recommended personal protective equipment for first aid responders Not entered.

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

Information for health personnel Get medical attention if any discomfort continues.

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

Other Information Not entered.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Improper extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards When heated and in case of fire, irritating vapours/gases may be formed.

Hazardous combustion products Carbon monoxide (CO).

5.3. Advice for firefighters

Fire fighting procedures Not entered.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. For personal protection, see section 8.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning Absorb spillage with suitable absorbent material. For waste disposal, see section 13.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Temperature Value: -20-+40 °C

7.3. Specific end use(s)

Specific use(s) Not entered.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Occupational exposure controls Well-ventilated area.

Respiratory protection

Respiratory protection No specific recommendations.

Hand protection

Hand protection Use protective gloves.

Suitable gloves type Gloves of nitrile rubber, PVA or Viton are recommended.

Eye / face protection

Eye protection If risk of splashing, wear safety goggles or face shield.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Yellow.
Odour	Slight odour.
Flash point	Value: ~ 250 °C
Specific gravity	Value: 0,96 kg/dm ³ Test temperature: 20 °C
Solubility description	Insoluble in water.
Viscosity	Value: 32 cSt Test temperature: 40 °C

9.2. Other information

Pour point Value: -50 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not entered.

10.4. Conditions to avoid

Conditions to avoid Extremes of temperatures. Strong oxidising agents. Avoid contact with acids.

10.5. Incompatible materials

Materials to avoid Strong oxidising substances.

10.6. Hazardous decomposition products

Hazardous decomposition products Not entered.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

LD50 oral	Value: > 2000 mg/kg Test animal species: rat
Other toxicological data	Not determined.

Potential acute effects

Skin contact	Not Irritating.
Eye contact	Not Irritating.

Delayed effects / repeated exposure

Sensitisation Not Sensitising.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish	Value: > 100 mg/l (LC50)
Ecotoxicity	The product is not expected to be toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability The product is easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Not entered.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results Not entered.

12.6. Other adverse effects

Other adverse effects / Remarks Not entered.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Confirm disposal procedures with environmental engineer and local regulations.

EWC waste code EWC: 130112 readily biodegradable hydrauliccoils

SECTION 14: Transport information

14.1. UN number

Comment Not relevant.

14.2. UN proper shipping name

Comment Not relevant.

14.3. Transport hazard class(es)

Comment Not relevant.

14.4. Packing group

Comment Not relevant.

14.5. Environmental hazards

Comment Not relevant.

14.6. Special precautions for user

Special precautions for user Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Other applicable information.

Other applicable information. Not relevant.

SECTION 15: Regulatory information

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

References (laws/regulations) The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (S.I 1996 No. 2421). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Dangerous Substance Directive 67/548/EEC. EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical safety assessment

Chemical safety assessment has been carried out No

CSR required No

SECTION 16: Other information

Responsible for safety data sheet AarhusKarlshamn Sweden AB