

# MATERIAL SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation: Binol Band 5  
Use of the substance/preparation: Lubricating/Cleaning/Cooling Oil  
Company/undertaking identification: Binol AB  
SE-374 82 Karlshamn, Sweden  
Phone. +46 454 828 00  
[jenny.porsche@aak.com](mailto:jenny.porsche@aak.com)  
Emergency telephone: See above (at office hours)

## 2. HAZARDS IDENTIFICATION

The product is considered not hazardous according to the EU Dangerous Substances/Preparations Directives classification scheme (67/548/EEG, last amended 1999/45/EG).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Composition: Composition (preparation) based on vegetable oils

Hazardous components:

Components	CAS No.	EG No.	Cont. %	Classification
None				

Components not affecting classification:

Components	CAS No.	EG No.	Cont. %	Classification
None				

## 4. FIRST AID MEASURES

Inhalation: Not concerned  
Skin contact: Wash the skin with detergent and water.  
Eye splashes: Flush with temperate water for at least 10 minutes.  
Ingestion: Drink water or milk. Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO<sub>2</sub>, foam, dry powder.  
Extinguishing media which shall not be used for safety reasons: Water in a jet.  
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Overheated product can give combustible vapours and irritating smoke. At incomplete combustion CO (carbon monoxide) can be produced.  
Special protective equipment for fire-fighters: Normal equipment for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid skin contact. (See section 8.)

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**Environment protection:** Avoid pollution of sewers and water.  
**Methods for cleaning up:** Absorb greater discharge with inert absorbent or sand. Transfer the product in a suitable packing for deposit. (See section 13.)  
Small amounts can be flushed away with water.

## 7. HANDLING AND STORAGE

**Handling:** Avoid prolonged and repeated contact with skin. Remove soaked clothes.  
**Storage:** Storage temperature 5 to 40 °C. Store in closed container, preferably as delivered.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls:** Maintain good personal care.  
**Respiratory protection:** Not necessary in ventilated areas. Secure good ventilation if formation of steam appears.  
**Hand protection:** Impermeable gloves (nitrile or Viton) is recommended when soap and water is not available.  
**Eye protection:** Safety goggles are recommended.  
**Exposure limit values:** No limit values are known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Oil  
**Viscosity (40°C):** 4,5 mm<sup>2</sup>/s (cSt)  
**Colour:** Yellow/Brown  
**Odour:** Vegetable oil related  
**Pour Point:** App. -12 °C  
**Flash Point:** > 150 °C  
**Vapour Pressure:** Negligible under normal conditions  
**Density (20°C):** App. 880 kg/m<sup>3</sup>  
**Solubility in water:** Insoluble

## 10. STABILITY AND REACTIVITY

**Stability:** Stable product under normal conditions.  
**Hazardous reactions:** None known.  
**Conditions to be avoided:** Elevated temperatures (>>100°C), acidic and strongly oxidizing components.  
**Hazardous decomposition products:** None known.

## 11. TOXICOLOGICAL INFORMATION

**General:** The product has low acute toxicity.  
**Acute oral toxicity (OECD 401):** LD<sub>50</sub> rat >2 000 mg/kg, not toxic  
**Acute dermal toxicity (OECD 402):** LD<sub>50</sub> rat >2 000 mg/kg, not toxic  
**Skin irritation (OECD 404):** Not irritating  
**Eye irritation (OECD 405):** Not irritating  
**Mutagenicity (Ames test):** Not mutagenic

The results are based on tests made of the ingredients. The product is not tested on animals.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** Algae toxicity (OECD 201): EC<sub>50</sub> > 1 000 mg/l  
Fish toxicity (OECD 203, 48 tim): LC<sub>50</sub> > 100 mg/l

**Mobility:** Insoluble in water

**Persistence and degradability:** The product is readily biodegradable according to OECD 301 B, Modified Sturm-test (>60 % in 28 days)

**Bioaccumulative potential:** Contains no bioaccumulative components

The results are based on tests made of the ingredients. The product is not tested on animals.

## 13. DISPOSAL CONSIDERATIONS

**Used product:** As per existing national regulations

**Proposal for EWC-no:** 13 01 07 (Readily biodegradable motor-, transmission- and lubricating oils)

**Used packaging:** As per existing national regulations

## 14. TRANSPORT INFORMATION

The product is not classified as dangerous goods.

## 15. REGULATORY INFORMATION

**Symbols:** None

**Risk phrases:** None

**Safety phrases:** None

No labelling required according to EU Regulations.

## 16. OTHER INFORMATION

**Sources of key data used to compile the data sheet:** Information data of the ingredients

**Technical information:** Contact Binol

### List of relevant symbols and R phrases:

Symbols/R-phrases	Text
None	

### Revision:

Date	Revised section
08-10-06	2,3
09-01-01	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16