

MATERIAL SAFETY DATA SHEET



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

Commercial Name: Binol Slide 150
Manufacturer name: AarhusKarlshamn Sweden AB
address: SE-374 82 KARLSHAMN, SWEDEN
phone no: +46 454 828 00
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Composition: Composition based on vegetable oils
Hazardous components: None
Hazardous impurities: Not concerned

3. HAZARDS IDENTIFICATION

Health: Under ordinary typical use, the product is considered as non-toxic and safe.
Environment: Experiments made on this and similar products indicate that the product can be considered as of low danger to the environment. However, regulations forbid the disposal of used lubricants in the environment without special permit.
Physical-chemical hazards: No particular risk of ignition or explosion.
Specific risks: None known.

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

4. FIRST AID MEASURES

Inhalation: Not concerned.
Skin contact: Wash with detergent and water.
Eye splashes: Flush with generous amounts of temperate water for a minimum of 10 minutes. Seek medical help if the problems remain.
Ingestion: Drink water or milk. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media recommended: CO₂, dry powder, foam.
not recommended: Water in a jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: None necessary in ventilated environments.
Environment protection: Avoid pollution of sewers and water.
Cleaning means: For easy removal, use inert absorbent or sand.

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7. HANDLING AND STORAGE

Handling

Personal protection: Avoid prolonged and repeated contact with skin. Remove soaked clothes.

Storage

Recommended conditions: Storage temperature ± 0 to $+40^{\circ}\text{C}$.
Store in closed container, preferably as delivered.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures: None necessary.

Personal protective equipment

Respiratory protection: Not necessary in normal use.

Hand protection: Impermeable gloves recommended.

Eye protection: Safety goggles recommended.

Others: Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Oil
Viscosity (40°C): $158 \text{ mm}^2/\text{s}$ (cSt)
Viscosity (20°C): $304 \text{ mm}^2/\text{s}$ (cSt)
Colour: Yellow
Odour: Vegetable oil related
pH value: Not applicable
Flash point (Open Cup): 220°C
Pourability: -3°C
Vapour pressure: Negligible under normal conditions
Density (20°C): $920 \text{ kg}/\text{m}^3$
Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable product under normal conditions.

Hazardous reactions: None known.

Conditions to be avoided: Elevated temperatures ($>>100^{\circ}\text{C}$) and strong oxidizing agents.

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (OECD 401): LD_{50} rat $>2000 \text{ mg}/\text{kg}$

The results are concluded values based on information on the ingredients. The formulated product has not been tested on animals.

12. ECOLOGICAL INFORMATION

Biodegradability: The product is readily biodegradable according to the modified Sturm test, OECD 301 B ($>60\%$ in 28 days) as well as CEC L-33-A-93 ($>70\%$ after 21 days).

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13. DISPOSAL CONSIDERATIONS

Used product: As per existing national regulations.
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