

MATERIAL SAFETY DATA SHEET



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

Commercial Name: BioSafe CON W
Manufacturer name: Binol BioSafe OY
address: PL 101 FIN-21201 RAISIO, FINLAND
phone: +358 2 443 2111

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Composition: Composition based on vegetable oil
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 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. Consult a doctor 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.
Environment protection: Avoid pollution of sewers and water.
Cleaning means: Removal with 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 +10 to +30°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 (e.g. PVC or rubber gloves).

Eye protection: Safety goggles recommended.

Others: Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Oil
Viscosity (40°C): 46 mm²/s (cSt)
Colour: Brown
Odour: Vegetable oil related
pH value: Not applicable
Flash point (Closed Cup): >200°C
Pour point: Approx. -36°C
Vapour pressure: Negligible under normal conditions
Density (20°C): 920 kg/m³
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)

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (OECD 401): LD₅₀ rat >5000 mg/kg

Skin irritation (OECD 404, rabbit): Not irritating

Eye irritation (OECD 405, rabbit): Not irritating

Mutagenicity (OECD 471, Ames test): Not mutagen

The value is based on results from a corresponding product.

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12. ECOLOGICAL INFORMATION

Biodegradability: The product is readily biodegradable according to OECD 301F (>60 %), and not bioaccumulable according to OECD 305D.

The value is based on results from a corresponding product.

13. DISPOSAL CONSIDERATIONS

Used product: As per existing regulations.

Used packaging: As per existing 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

The product is used as lubricating oil at metal working operations. The oil should not be mixed with water.

Contact: Karl-Erik Lindén
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