

SAFETY DATA SHEET

Binol Cool 12

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

Date issued 08.10.2012

1.1. Product identifier

Product name Binol Cool 12

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

Use of the substance/preparation Cutting fluid.

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>

Producer

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

Classification according to 67/548/EEC or 1999/45/EC Xi; R36

2.2. Label elements

Hazard symbol



R phrases R36 Irritating to eyes.

S phrases S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable gloves and eye/face protection.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Component name	Identification	Classification	Contents
Triethanolamine	CAS no.: 102-71-6 EC no.: 203-049-8	Xi; R36 Eye Irrit. 2; H319;	15 - 25 %
Corrosion inhibitor		Xn; R22 Acute tox. 4; H302;	5 - 15 %
Oxazolidin	CAS no.: 66204-44-2 EC no.: 266-235-8	C, Xn; R21/22, R34 Met. Corr. 1; H290; Skin Corr 1B; H314; Acute tox. 4; H302; Acute tox. 4; H312;	2 - 4 %
Sodium Pyrithione	CAS no.: 3811-73-2 EC no.: 223-296-5	Xn, N; R20/21/22, R36/38, R50 Aquatic Acute 1; H400; Acute tox. 4; H332; Skin Irrit. 2; H315; Eye Irrit. 2; H319;	< 1,5 %

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	Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Contact physician if larger quantity has been consumed. Get medical attention if any discomfort continues.

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

Information for health personnel	Get medical attention if any discomfort continues.
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4.3. Indication of any immediate medical attention and special treatment needed

Other Information	Not entered.
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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	Not entered.
Hazardous combustion products	Not known.

5.3. Advice for firefighters

Fire fighting procedures	Not entered.
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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.
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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.
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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: 5-40 °C

7.3. Specific end use(s)

Specific use(s) Not entered.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Component name	Identification	Value	Year
Triethanolamine	CAS no.: 102-71-6	8 h.: 5 mg/m ³	
	EC no.: 203-049-8	15 min.: 10 mg/m ³	

8.2. Exposure controls

Occupational exposure controls Well-ventilated area.

Safety signs



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 Wear goggles/face shield.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless.
Odour	Slight odour.
pH (as supplied)	Value: ~ 10,6
pH (aqueous solution)	Value: ~ 9,8
Comments, pH (aqueous solution)	3%
Boiling point / boiling range	Value: ~ 100 °C
Specific gravity	Value: 1,095 kg/dm ³ Test temperature: 20 °C
Solubility description	Soluble in water.
Viscosity	Value: 7,5 cSt Test temperature: 20 °C

9.2. Other information

Pour point Value: ~ 0 °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:

Other toxicological data Not determined.

Potential acute effects

Eye contact Irritating.

Delay / Repeating

Sensitisation Not Sensitising.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability Not entered.

12.3. Bioaccumulative potential

Bioaccumulative potential Not entered.

12.4. Mobility in soil

Mobility The product is soluble 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: 120109 machining emulsions and solutions free of halogens

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

List of relevant R phrases (under headings 2 and 3).
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R21/22 Harmful in contact with skin and if swallowed.
 R22 Harmful if swallowed.
 R34 Causes burns.
 R36 Irritating to eyes.
 R36/38 Irritating to eyes and skin.
 R50 Very toxic to aquatic organisms.

List of relevant H-phrases (Section 2 and 3).
 H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H314 Causes Severe skin burns and eye damage.
 H315 Causes Skin irritation.
 H319 Causes Serious eye irritation.
 H332 Harmful if inhaled.
 H400 Very toxic to aquatic life.

Responsible for safety data sheet AarhusKarlshamn Sweden AB