

SAFETY DATA SHEET

Binol Cool 42i

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

Date issued 03.09.2013

1.1. Product identifier

Product name Binol Cool 42i

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>

Supplier

Company name AarhusKarlshamn Sweden AB
Postcode SE-374 82
City Karlshamn
Country Sweden
Tel +46 454 82000
Website <http://www.aak.com>

1.4. Emergency telephone number

Emergency telephone SOS:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC Xi; R36/38

2.2. Label elements

Hazard symbol



R-phrases R36/38 Irritating to eyes and skin.

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

Substance	Identification	Classification	Contents
Triethanolamine	CAS no.: 102-71-6 EC no.: 203-049-8	Xi; R36 Eye Irrit. 2; H319;	15 - 25 %
Composition containing phenoxyethanol, sodiumsulfonate and etoxylated alcohols	CAS no.: unknown EC no.: unknown	Xi; R36/38 Eye Dam. 1; H318 Skin Irrit. 2; H315	2 - 7 %
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 - 3,99 %
Composition containing corrosioninhibitors	CAS no.: okänt EC no.: okänt	C; R34 Skin Corr 1B; H314;	1 - 3 %
Caprylic acid	CAS no.: 124-07-2 EC no.: 204-677-5	C; R34 Skin Corr 1B; H314	1 - 3 %
Sodium Pyrrithione	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 %
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m ³ , ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautionary measures 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

Cleaning method 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.

Conditions for safe storage

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

Occupational Exposure limit values

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

8.2. Exposure controls

Occupational exposure limits 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	Yellow.
Odour	Slight odour.
pH (as supplied)	Value: ~ 10,2
pH (aqueous solution)	Value: ~ 9,5
Comments, pH (aqueous solution)	5%
Boiling point / boiling range	Value: ~ 100 °C
Specific gravity	Value: 1,08 kg/dm ³ Test temperature: 20 °C
Solubility description	Soluble in water.
Viscosity	Value: 103 cSt Test temperature: 20 °C

9.2. Other information

Physical hazards

Pour point	Value: ~ 0 °C
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SECTION 10: Stability and reactivity

10.1. Reactivity

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

Stability	Stable under normal temperature conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not entered.
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10.4. Conditions to avoid

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

Materials to avoid	Strong oxidising substances.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not entered.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Not determined.
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Potential acute effects

Skin contact	Irritating.
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Eye contact	Irritating.
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Delayed effects / repeated exposure

Sensitisation	Not Sensitising.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product is not expected to be toxic to aquatic organisms.
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12.2. Persistence and degradability

Persistence and degradability	Not entered.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Not entered.
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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**

Comments 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 safety precautions for user Not relevant.

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

Additional 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 performed No

CSR required No

SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3).

R36 Irritating to eyes.
R50 Very toxic to aquatic organisms.
R36/38 Irritating to eyes and skin.
R34 Causes burns.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R21/22 Harmful in contact with skin and if swallowed.

List of relevant H-phrases (Section 2 and 3).

H318 Causes Serious eye damage.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H290 May be corrosive to metals.
H400 Very toxic to aquatic life.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H314 Causes severe skin burns and eye damage.

Responsible for safety data sheet

AarhusKarlshamn Sweden AB