

Safety Data Sheet

according to 2001/58/EC

Pyrosil Primer

Print date : 25.11.2005

Product code : BO5209494

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1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the substance or preparation**

Pyrosil Primer

1.2 Company/undertaking identification

Company name : BOHLE AG
 Street : Dieselstr. 10
 Place : D-42781 Haan
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 Inquiry office : Produktmanagement

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	isopropanol, isopropyl alcohol, propan-2-ol	>28 %	F, Xi R11-36-67
200-578-6	64-17-5	ethanol, ethyl alcohol	>57 %	F R11
200-662-2	67-64-1	acetone, propan-2-one, propanone	<8 %	F, Xi R11-36-66-67

Full text of each relevant R phrase can be found in heading 16.

3. Hazards identification**Classification**

Symbols : Highly flammable, Irritant
 R-phrases :
 Highly flammable.
 Irritating to eyes.
 Vapours may cause drowsiness and dizziness.

4. First aid measures**General information**

Take off all contaminated clothing immediately. Remove from exposure, lie down. Move to fresh air.
 Artificial respiration and/or oxygen may be necessary.

After inhalation

Move to fresh air. Consult a physician after significant exposure. If victim is unconscious but breathing:
 Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.

After contact with skin

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

After ingestion

Clean mouth with water and drink afterwards plenty of water. If swallowed, do not induce vomiting - seek medical advice.

5. Fire-fighting measures

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Suitable extinguishing mediawater spray alcohol-resistant foam dry chemical carbon dioxide (CO₂)**Extinguishing media which must not be used for safety reasons**

high volume water jet

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Fire may cause evolution of: Carbon monoxide

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

Additional information

Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ensure adequate ventilation.

7. Handling and storage

7.1 Handling

Advice on safe handling

Handle and open container with care. Provide for appropriate exhaust ventilation and dust collection at machinery. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion

Use explosion-proof equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from heat and sources of ignition. Do not smoke.

7.2 Storage

Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

Storageclass (VCI) :

3A

8. Exposure controls/personal protection

8.1 Exposure limit values

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Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/m ³	Category	Origin
67-64-1	Acetone	750	1810		TWA (8 h)	OES
	Acetone	1500	3620		STEL (15 min)	OES
64-17-5	Ethanol	1000	1920		TWA (8 h)	OES
	Ethanol	-	-		STEL (15 min)	OES
67-63-0	Propan-2-ol	400	999		TWA (8 h)	OES
	Propan-2-ol	500	1250		STEL (15 min)	OES

BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
67-63-0	2-Propanol	50 mg/l	Aceton	B	b
67-64-1	Aceton	80 mg/l	Aceton	U	b

8.2 Exposure controls

Occupational exposure controls

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

Protective and hygiene measures

Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Take off all contaminated clothing immediately. Keep away from food, drink and animal feedingstuffs. When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

solvent-resistant gloves (butyl-rubber)

Eye protection

tightly fitting safety goggles

Skin protection

impervious clothing

9. Physical and chemical properties

9.1 General information

Physical state : liquid
 Colour : clear
 Odour : alcoholic

9.2 Important health, safety and environmental information

pH-Value (at 20 °C) :	4,5-5,0	Test method
Changes in the physical state		
Boiling point :	56-57 °C	
Flash point :	12 °C	
Flammability		
Lower explosion limits :	2 vol. %	
Upper explosion limits :	25 vol. %	
Ignition temperature :	425 °C	

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Vapour pressure : at (20 °C)	33 hPa
Density :	0,8 g/cm ³
Water solubility :	soluble
Viscosity / dynamic :	4 mPa·s
Vapour density : at (20 °C)	2

10. Stability and reactivity

Conditions to avoid

No decomposition if used as directed.

Materials to avoid

strong acids and oxidizing agents

Hazardous decomposition products

None known.

11. Toxicological information

Acute toxicity

LD50/oral/rat = 5840 mg/kg

Irritancy and corrosiveness

Mild eye irritation

Mild skin irritation

Subacute, subchronic and prolonged toxicity

Liver injury may occur.

Empirical data on effects on humans

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

12. Ecological information

Ecotoxicity

This product has no known eco-toxicological effects.

Mobility

The product evaporates readily.

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Additional information

Do not let product enter drains.

13. Disposal considerations

Advice on disposal

In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products :

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

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14. Transport information

Land transport (ADR/RID)

ADR/RID class : 3
 Warnings plate
 Hazard-no. : 33
 UN number : 1987
 Hazard label : 3
 ADR/RID packing group : II

Description of the goods

ALKOHOLE, N.A.G. (Dampfdruck bei 50 °C höchstens 110 kPa)

Inland waterways transport

Marine transport

Air transport

15. Regulatory information

15.1 Labelling

Indication of danger :

F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

R phrases :

11 Highly flammable.
 36 Irritating to eyes.
 67 Vapours may cause drowsiness and dizziness.

S phrases :

03 Keep in a cool place.
 09 Keep container in a well-ventilated place.
 15 Keep away from heat.
 16 Keep away from sources of ignition - No smoking.
 21 When using do not smoke.
 25 Avoid contact with eyes.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 35 This material and its container must be disposed of in a safe way.
 41 In case of fire and/or explosion do not breathe fumes.

15.2 National regulations

16. Other information

List of relevant R phrases

11 Highly flammable.
 36 Irritating to eyes.
 66 Repeated exposure may cause skin dryness or cracking.
 67 Vapours may cause drowsiness and dizziness.

Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.