

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

S72 Penetrant Remover Aerosol

Version: 1 14.11.2008

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

English

Product information

Commercial Product Name S72 Penetrant Remover Aerosol

Recommended use:

Cleaning agent

Company: Chemetall plc
Denbigh Road
Bletchley Milton Keynes MK1 1PB

Lead Organisation:

Contact person:

Telephone: 01908 649333

Telefax: 01908 373939

Product safety:

Telephone: +49(0)6971652832

E-mail address: msds.de@chemetall.com

Emergency telephone: 01908 649333

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Classification:

Extremely flammable R12 Extremely flammable.

Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

Mixture of organic solvents.

Hazardous components

Naphtha (petroleum), hydrotreated heavy 50.00 - 100.00 %

CAS-No.: 64742-48-9 **EINECS-No.:** 265-150-3

Classification: R10 Xn; R65 R66

octane 2.50 - 10.00 %

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CAS-No.: 111-65-9 **EINECS-No.:** 203-892-1

Classification: F; R11 Xn; R65 Xi; R38 R67 N; R50, R53

WEL substance:

Butane 10.00 - 25.00 %

CAS-No.: 106-97-8 **EINECS-No.:** 203-448-7

Classification: F+; R12

4. FIRST AID MEASURES

Eye contact:

Rinse immediately with plenty of water, also under the eyelids. Consult a physician.

Skin contact:

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Inhalation:

Move to fresh air. If symptoms persist, call a physician.

Ingestion:

Rinse mouth. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting:

May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO₂)

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.

Suitable extinguishing media:

Carbon dioxide (CO₂), Dry powder, Alcohol-resistant foam, Water spray

Extinguishing media which shall not be used for safety reasons:

High volume water jet

Further information:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear personal protective equipment. Ensure adequate ventilation.

Environmental precautions:

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling

Safe handling advice:

Provide sufficient air exchange and/or exhaust in work rooms. Floor level ventilation required.

Have eye wash bottle or eye rinse ready at the work place.

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Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Storage

Requirements for storage areas and containers:

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

Storage stability:

Storage temperature:

5 - 40 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional technical information on the plant:

Provide sufficient air exchange and/or exhaust in work rooms.

Components with workplace control parameters

Butane 106-97-8

	Value	Update	Basis
TWA	600.00 ppm 1,450.00 mg/m ³	2007	EH40 WEL
STEL	750.00 ppm 1,810.00 mg/m ³	2007	EH40 WEL

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Recommended Filter type: AX-P2

Hand protection:

General advice: Neoprene gloves, Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection:

Tightly fitting safety goggles, Have eye wash bottle or eye rinse ready at the work place.

Skin and body protection:

Protective suit

Hygiene measures

Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing and shoes immediately. Wash hands before breaks and at the end of workday. Avoid contact with the skin and the eyes. Do not breathe vapour. Do not breathe spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: aerosol
Colour: colourless
Odour: hydrocarbon-like

Boiling point/range: not applicable

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Flash point:	30 °C Method: ASTM D 93 Active substance
Flash point:	-60 °C Butane/Propane
Density:	0.76 g/cm ³ at 20 °C
Water solubility:	practically insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:

Keep away from open flames, hot surfaces and sources of ignition., Protect from frost, heat and sunlight.

Materials to avoid:

Strong acids and oxidizing agents

Hazardous decomposition products:

Carbon monoxide

Hazardous reactions:

In use, may form flammable/explosive vapour-air mixture.

11. TOXICOLOGICAL INFORMATION

Skin irritation:

Irritant effects are possible.

Eye irritation:

Irritant effects are possible.

Human experience:

Prolonged skin contact may defat the skin and produce dermatitis.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):

Biodegradability:

Remarks: no data available

Further information:

slightly water endangering Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

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13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

160504 gases in pressure containers (including halons) containing dangerous substances

Product:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

Regulation : ADR

UN/ID No.: 1950

Proper shipping name: AEROSOLS Butane, Propane

Class: 2

ADR/RID-Labels: 2.1

Regulation : RID

UN/ID No.: 1950

Proper shipping name: AEROSOLS Butane, Propane

Class: 2

ADR/RID-Labels: 2.1

Regulation : IMDG

UN/ID No.: 1950

Proper shipping name: AEROSOLS Butane, Propane

Class: 2.1

EmS: F-D S-U

Regulation : IATA_C

UN/ID No.: 1950

Proper shipping name: AEROSOLS,FLAMMABLE Butane, Propane

Class: 2.1

Regulation : IATA_P

UN/ID No.: 1950

Proper shipping name: AEROSOLS,FLAMMABLE Butane, Propane

Class: 2.1

15. REGULATORY INFORMATION

Labelling:



Extremely flammable

Dangerous for the environment

R-phrases(s):

R12

Extremely flammable.

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	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R66	Repeated exposure may cause skin dryness or cracking.
S-phrases(s):	S23	Do not breathe spray.
	S24/25	Avoid contact with skin and eyes.
	S37/39	Wear suitable gloves and eye/face protection.
	S51	Use only in well-ventilated areas.
	S61	Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Special labelling of certain preparations:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Also after use, do not open with force or burn.

Do not spray on a naked flame or any other incandescent material.

Keep away from sources of ignition - No smoking.

Keep away from children.

99/45/EC - 2001/60/EC and 2006/8/EC included

Special labelling of certain preparations:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Also after use, do not open with force or burn.

Do not spray on a naked flame or any other incandescent material.

Keep away from sources of ignition - No smoking.

Keep away from children.

99/45/EC - 2001/60/EC and 2006/8/EC included

National legislation

Water contaminating class (Germany):

WGK 1 : slightly water endangering

VWVWS A4

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R10 Flammable.

R11 Highly flammable.

R12 Extremely flammable.

R38 Irritating to skin.

R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Text of R phrases mentioned in Section 3

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.