

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

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

English

Product information

Commercial Product Name Naftoseal MC-238 A-2, Base

Recommended use:

Sealant

Company: Chemetall GmbH
Trakehner Strasse 3
60487 Frankfurt a.M.

Lead Organisation: Aerospace Technologies

Contact person:

Telephone: +49(0)69 7165-3822

Telefax: +49(0)69 7165-3018

Product safety:

Telephone: +49(0)6971652832

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

Emergency telephone: +49(0)5326 51-0

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Classification:

highly flammable R11 Highly flammable.

dangerous for the environment

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

polymers

Hazardous components

Polysulfide polymer 50.00 - 100.00 %

CAS-No.: 68611-50-7

Classification: R52/53

Polysulfide polymer 10.00 - 25.00 %

CAS-No.: 68611-50-7

Classification: N; R51/53

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

Ethyl acetate 2.50 - 10.00 %

CAS-No.: 141-78-6 **EINECS-No.:** 205-500-4

Classification: F; R11 Xi; R36 R66 R67

4. FIRST AID MEASURES

General advice:

Take off contaminated clothing and shoes immediately.

Eye contact:

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

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.

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:

Ensure adequate ventilation. Remove all sources of ignition.

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).

7. HANDLING AND STORAGE

Handling

Safe handling advice:

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

Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

discharges.

Storage

Requirements for storage areas and containers:

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Ethyl acetate 141-78-6

	Value	Update	Basis
TWA	200.00 ppm	2007	EH40 WEL
STEL	400.00 ppm	2007	EH40 WEL

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. respirator with a filter

Hand protection:

General advice: Neoprene gloves, Rubber 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

Skin and body protection:

Lightweight protective clothing

Hygiene measures:

Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	paste
Colour:	beige
Odour:	solvent
Boiling point / range:	> 34 °C
Flash point:	7 °C
Autoignition temperature:	not auto-flammable
Explosive properties	
Lower explosion limit:	2.1 %(V) no explosion risk, Vapours may form explosive mixture with air.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

Upper explosion limit:	11.5 %(V) no explosion risk
Density:	1.44 g/cm ³ at 23 °C
Water solubility:	immiscible
Viscosity:	max. 200,000 mPa*s at 23 °C Brookfield RVF Spindel 7

10. STABILITY AND REACTIVITY

Conditions to avoid:

To avoid thermal decomposition, do not overheat., Keep away from open flames, hot surfaces and sources of ignition.

Materials to avoid:

Strong oxidizing agents

Hazardous decomposition products:

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:

LD50 rabbit

Dose: 4,935 mg/kg

141-78-6 ethyl acetate

Acute inhalation toxicity:

LC50/inhalation/4h/rat.

Dose: 1,600 mg/L

141-78-6 ethyl acetate

Skin irritation:

Irritant effects are possible.

Eye irritation:

Irritant effects are possible.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):**Biodegradability:**

Remarks: no data available

Further information:

water endangering Harmful to aquatic organisms, may cause long-term adverse effects in the

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

aquatic environment. Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

080409 waste adhesives and sealants containing organic solvents or other 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.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S., Ethyl acetate solution

Packaging group: III

Class: 3

ADR/RID-Labels: 3

Regulation : RID

UN/ID No.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S., Ethyl acetate solution

Packaging group: III

Class: 3

ADR/RID-Labels: 3

Regulation : IMDG

UN/ID No.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S., Ethyl acetate solution

Packaging group: III

Class: 3

EmS: F-E S-E

Regulation : IATA_C

UN/ID No.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S., Ethyl acetate solution

Packaging group: III

Class: 3

Regulation : IATA_P

UN/ID No.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S., Ethyl acetate solution

Packaging group: III

Class: 3

ADR: Special Provision 640E

RID: Special Provision 640E

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Naftoseal MC-238 A-2, Base

Version: 5 14.05.2008

Print Date 02.06.2008

15. REGULATORY INFORMATION

Labelling:



Highly flammable

R-phrase(s):

R11
R52/53

Highly flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s):

S 9
S16
S37/39
S61

Keep container in a well-ventilated place.
Keep away from sources of ignition - No smoking.
Wear suitable gloves and eye/face protection.
Avoid release to the environment. Refer to special instructions/ Safety data sheets.

National legislation

Water contaminating class (Germany):

WGK 2 : water endangering
VWVWS A4

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R11 Highly flammable.

R36 Irritating to eyes.

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

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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.