

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Chemetall

ARDROX® AV 30

Version: 4 23.11.2007

Print Date 26.11.2007

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

English

Product information

Commercial Product Name ARDROX® AV 30

Recommended use:

Corrosion inhibitor

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

Lead Organisation: Aerospace Technologies

Contact person:

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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:

R10 Flammable.

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 25.00 - 50.00 %

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

Classification: R10 Xn; R65 R66

Inhibitor based on calcium sulfonate 10.00 - 25.00 %

CAS-No.: 57855-77-3 **EINECS-No.:** 260-991-2

Classification: Xi; R36/38

SAFETY DATA SHEET

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Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha (Benzol < 0,1 %) 1.00 - 2.50 %

CAS-No.: 64742-82-1 **EINECS-No.:** 265-185-4

Classification: Xn; R65, R66, R67 N; R51/53 R10

2,2'-(octadec-9-enylimino)bisethanol 0.10 - 1.00 %

CAS-No.: 25307-17-9 **EINECS-No.:** 246-807-3

Classification: C; R34 Xn; R22 N; R50

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. 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:

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).

7. HANDLING AND STORAGE

Handling

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Chemetall

ARDROX® AV 30

Version: 4 23.11.2007

Print Date 26.11.2007

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 discharges.

Storage

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight.

Storage stability:

Storage temperature:

15 - 35 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Naphtha (petroleum), hydrotreated heavy 64742-48-9

	Value	Update	Basis
STEL	1,000.00 mg/m ³ as total hydrocarbons	2000 ECB/IUCLID Dataset	
TWA	500.00 mg/m ³ as total hydrocarbons	2000 ECB/IUCLID Dataset	

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus needed only when aerosol or mist is formed.

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. Do not breathe vapour. Do not breathe spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
Colour: light brown

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Odour:	hydrocarbon-like
Boiling point / range:	155 - 200 °C
Flash point:	46 °C
Ignition temperature:	> 240 °C
Explosive properties	
Lower explosion limit:	0.6 %(V)
Upper explosion limit:	7 %(V)
Density:	0.9 g/cm ³ at 20 °C
Water solubility:	practically insoluble
Viscosity:	20 s Ø 4 mm at 40 °C Method: ISO 2431

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

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

SAFETY DATA SHEET

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Further information:

water endangering Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

070704 other organic solvents, washing liquids and mother liquors

Product:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

Regulation : ADR

UN/ID No.: 1139

Proper shipping name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum o

Packaging group: III

Class: 3

ADR/RID-Labels: 3

Regulation : RID

UN/ID No.: 1139

Proper shipping name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum o

Packaging group: III

Class: 3

ADR/RID-Labels: 3

Regulation : IMDG

UN/ID No.: 1139

Proper shipping name: COATING SOLUTION (includes surface treatments or coatings used for industrial purposes such as vehicle under-coating, drum or barrel

Packaging group: III

Class: 3

EmS: F-E S-E

Regulation : IATA_C

UN/ID No.: 1139

Proper shipping name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum o

Packaging group: III

Class: 3

Regulation : IATA_P

UN/ID No.: 1139

Proper shipping name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum o

Packaging group: III

Class: 3

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ADR: Special Provision 640E

RID: Special Provision 640E

15. REGULATORY INFORMATION

R-phrase(s):	R10 R66	Flammable. Repeated exposure may cause skin dryness or cracking.
S-phrase(s):	S 9 S16 S23 S24/25 S37/39	Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.

National legislation

Water contaminating class (Germany):

WGK 2 : water endangering

VVWS A4

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R10 Flammable.

R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R50 Very toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, 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.

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.