

# SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

# Chemetall

## Ardrox AV 980

Version: 3 18.12.2007

Print Date 06.05.2010

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

English

#### Product information

Commercial Product Name      Ardrox AV 980

#### 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:

Irritant                              R38 Irritating to skin.

Harmful                            R65 Harmful: may cause lung damage if swallowed.

#### Additional advice:

Restricted to professional users.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical characterization:

Mixture of organic solvents containing surfactants.

#### Hazardous components

**1-Tetradecene** 50.00 - 100.00 %

**CAS-No.:** 1120-36-1 **EINECS-No.:** 214-306-9

**Classification:** Xi; R38 Xn; R65

**Alcohol,ethoxylated** 10.00 - 20.00 %

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**CAS-No.:** 68439-46-3  
**Classification:** Xi; R36/38

### 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 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

**Special protective equipment for fire-fighters:**

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

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), 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**

**Safe handling advice:**

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

**Storage**

**Requirements for storage areas and containers:**

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

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**Storage stability:**

**Storage temperature:**

> -10 °C

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

**Respiratory protection:**

Not required; except in case of aerosol formation.

**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:**

Keep away from food, drink and animal feedingstuffs. 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:	liquid
Colour:	transparent
Melting point/range:	-10 °C
Boiling point / range:	> 200 °C
Flash point:	113 °C
Vapour pressure:	< 0.1 hPa at 20 °C
Density:	0.78 g/cm <sup>3</sup> at 20 °C
Solubility/qualitative:	Medium: ethanol completely soluble
Water solubility:	insoluble
Viscosity:	13 mPa*s at 23 °C

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### 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

Keep away from heat.

**Materials to avoid:**

Strong oxidizing agents

**Hazardous decomposition products:**

No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

**Skin irritation:**

Irritating to skin.

**Eye irritation:**

Irritant effects are possible.

**Further toxicological information:**

Harmful: may cause lung damage if swallowed.

### 12. ECOLOGICAL INFORMATION

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

**Biodegradability:**

60 %

Remarks: Readily biodegradable

BOD 28

**Biodegradability:**

Remarks: The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

**Further information:**

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

### 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.

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### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

#### Hazardous components which must be listed on the label:

- 1-Tetradecene

Labelling:



Harmful

R-phrase(s):

R38  
R65

Irritating to skin.

Harmful: may cause lung damage if swallowed.

S-phrase(s):

S24/25  
S37/39  
S62

Avoid contact with skin and eyes.

Wear suitable gloves and eye/face protection.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### Special labelling of certain preparations:

Ingredients according to Regulation (EC) No.648/2004 on detergents:

Non ionic surfactants, 5 - 15 %

Aliphatic hydrocarbons, > 30 %

#### Further information:

Restricted to professional users.

#### National legislation

#### Water contaminating class (Germany):

WGK 2 : water endangering

VWVWS A4

### 16. OTHER INFORMATION

#### Text of R phrases mentioned in Section 3

**R36/38** Irritating to eyes and skin.

**R38** Irritating to skin.

**R65** Harmful: may cause lung damage if swallowed.

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