

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 970P23

Version: 4 27.08.2009

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

English

#### Product information

Commercial Product Name      Ardrox 970P23

#### Recommended use :

Penetrative liquid, fluorescent.

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                                    R41 Risk of serious damage to eyes.

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:

Mixture of organic solvents containing surfactants.

#### Hazardous components

**Distillates (petroleum), hydrotreated middle: Gasoil - unspecified** 50.00 - 100.00 %

**CAS-No.:** 64742-46-7    **EINECS-No.:** 265-148-2

**Classification:** Xn; R65

**Nonylphenol polyglycol ether** 10.00 - 25.00 %

**CAS-No.:** 9016-45-9

**Classification:** Xn; R22    Xi; R41    N; R51/53

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**Fatty alcohol alkoxyate** 10.00 - 20.00 %

**CAS-No.:** 69227-21-0

**Classification:** Xi; R38 N; R50

### 4. FIRST AID MEASURES

**General advice:**

First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.

**Eye contact:**

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

**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 with water. 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 (CO<sub>2</sub>) nitrogen oxides (NO<sub>x</sub>)

**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:**

Wear personal protective equipment.

**Environmental precautions:**

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

**Methods for cleaning up:**

Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 7. HANDLING AND STORAGE

**Handling**

**Safe handling advice:**

Provide sufficient air exchange and/or exhaust in work rooms. Have eye wash bottle or eye rinse

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ready at the work place.

### Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Normal measures for preventive fire protection. 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. Protect from frost.

#### Storage stability:

#### Storage temperature:

10 - 40 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional technical information on the plant:

Ensure adequate ventilation, especially in confined areas. Electrical equipment should be protected to the appropriate standard.

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection:

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

#### Hand protection:

General advice: Neoprene gloves, butyl-rubber, Protective gloves complying with EN 374., 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:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### 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. Do not breathe spray.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	yellow-green
Odour:	hydrocarbon-like
Flash point:	> 100 °C
Density:	0.88 g/cm <sup>3</sup> at 20 °C

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Water solubility: emulsifiable

Viscosity: > 7 mm<sup>2</sup>/s  
at 40 °C

### 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 oxidizing agents

**Hazardous decomposition products:**

No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

**Skin irritation:**

May cause skin irritation in susceptible persons.

**Eye irritation:**

Risk of serious damage to eyes.

### 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 aquatic environment. 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.

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### 14. TRANSPORT INFORMATION

Regulation : ADR  
UN/ID No.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Alcohol,ethoxylated, Nonylphenol, ethoxylated  
Packaging group: III  
Class: 9  
ADR/RID-Labels: 9

Regulation : RID  
UN/ID No.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Alcohol,ethoxylated, Nonylphenol, ethoxylated  
Packaging group: III  
Class: 9  
ADR/RID-Labels: 9

Regulation : IMDG  
UN/ID No.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Alcohol,ethoxylated, Nonylphenol, ethoxylated  
Packaging group: III  
Class: 9  
EmS: F-A S-F  
Marine pollutant

Regulation : IATA\_C  
UN/ID No.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Alcohol,ethoxylated, Nonylphenol, ethoxylated  
Packaging group: III  
Class: 9

Regulation : IATA\_P  
UN/ID No.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Alcohol,ethoxylated, Nonylphenol, ethoxylated  
Packaging group: III  
Class: 9

### 15. REGULATORY INFORMATION

Labelling:



Irritant

R-phrase(s):

R41  
R52/53

Risk of serious damage to eyes.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s):

S23  
S24/25  
S26

Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin and eyes.  
In case of contact with eyes, rinse immediately with

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S37/39  
S61

plenty of water and seek medical advice.  
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

#### Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws.

## 16. OTHER INFORMATION

### Text of R phrases mentioned in Section 3

**R22** Harmful if swallowed.

**R38** Irritating to skin.

**R41** Risk of serious damage to eyes.

**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.

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.