

**Ardrox 3140**

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : Ardrox 3140

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the Sub- : Corrosion inhibitor  
stance/Mixture  
Recommended restrictions : None known.  
on use

**1.3 Details of the supplier of the safety data sheet**

Company : Chemetall Ltd  
Denbigh Road  
Bletchley Milton Keynes MK1 1PB  
Telephone : 01908 649333  
Telefax : 01908 373939  
Contact person product safety  
Telephone : +49(0)6971652832  
E-mail address : msds.de@chemetall.com

**1.4 Emergency telephone number**

Emergency telephone : 01908 649333  
number

**2. Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 3 H226: Flammable liquid and vapour.  
Eye irritation, Category 2 H319: Causes serious eye irritation.  
Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters air-  
ways.

**Classification (67/548/EEC, 1999/45/EC)**

Flammable R10: Flammable.  
Irritant R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness  
or cracking.

**2.2 Label elements**


**Labelling (REGULATION (EC) No 1272/2008)**

**Ardrox 3140**

Version: 4.0

Revision Date 21.10.2011


Print Date 21.10.2011

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation.
	:	EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	<b>Prevention:</b> P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. <b>Response:</b> P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 IF exposed or concerned: P315 Get immediate medical advice/ attention. <b>Storage:</b> P403 + P235 Store in a well-ventilated place. Keep cool.

Hazardous components which must be listed on the label:

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

**Labelling according to EC Directives (1999/45/EC)**

Hazard pictograms : 

Irritant

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

R-phrase(s)	: R10 R36 R66	Flammable. Irritating to eyes. 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.

### 2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

## 3. Composition/information on ingredients

### 3.1 Substances

Identification: Ardrox 3140

### 3.2 Mixtures

Chemical nature : Mixture of organic solvents.

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts	68476-81-3 270-701-6	Xi; R36	Eye Irrit. 2; H319	>= 25 - < 50
Naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3	R10  Xn; R65  R66  Nota H, Nota P	Asp. Tox. 1; H304  Flam. Liq. 3; H226	>= 25 - < 50
Benzenesulfonic acid, C20-48-alkyl derivs., sodium salts	68555-09-9 271-414-9	R53	Aquatic Chronic 4; H413	>= 2.5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Ardrox 3140**

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

For the full text of the Notas mentioned in this Section, see Section 16.

**4. First aid measures**

**4.1 Description of first aid measures**

- General advice : First-aid crew: Ensure self-protection.  
Move out of dangerous area.  
Take off contaminated clothing and shoes immediately.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids.  
Consult a physician.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms : No information available.
- Risks : Aspiration hazard.  
irritant effects

**4.3 Indication of any immediate medical attention and special treatment needed**

- Treatment : Treat symptomatically.  
For specialist advice physicians should contact the Poisons Information Service.

**5. Firefighting measures**

**5.1 Extinguishing media**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Alcohol-resistant foam  
Water spray
- Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

- Specific hazards during fire-fighting : May form toxic gases on heating or in case of fire.  
Carbon monoxide

**Adrox 3140**

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

Carbon dioxide (CO<sub>2</sub>)  
Sulphur oxides

**5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear personal protective equipment.

**6.2 Environmental precautions**

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

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Ensure adequate ventilation.  
Contenga el derrame. Absorba con material absorbente no combustible (p.ej., arena, tierra, diatomita, vermiculita) y tráselo a un contenedor adecuado para su eliminación según las normativas locales / nacionales (ver sección 13).  
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).

**6.4 Reference to other sections**

See chapter 8 and 13

**7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Have eye wash bottle or eye rinse 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.  
Vapours may form explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage : Keep containers tightly closed in a dry, cool and well-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

areas and containers                      ventilated place.  
Protect from direct sunlight.  
Protect from frost.

Storage temperature                      : 15 - 30 °C

### 7.3 Specific end uses

Specific use(s)                              : Corrosion inhibitor

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

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

#### Personal protective equipment

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

Hand protection                              : Neoprene gloves  
butyl-rubber  
Protective gloves complying with EN 374.  
Se deben observar las instrucciones correspondientes a la permeabilidad y al tiempo de ruptura suministradas por el proveedor de los guantes. También se deben tener en cuenta las condiciones locales específicas bajo las que se utiliza el producto, como por ejemplo el peligro de cortes, abrasión y el tiempo de contacto. 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                                : Eye protection (EN 166)  
Tightly fitting safety goggles

Skin and body protection                      : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

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.

### Environmental exposure controls

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

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Colour : brown  
Odour : hydrocarbon-like  
Flash point : 45 °C  
Lower explosion limit : Vapours may form explosive mixture with air.  
Boiling point/boiling range : > 155 °C  
Density : 0.86 g/cm<sup>3</sup>  
at 20 °C  
Water solubility : practically insoluble  
Viscosity, kinematic : > 7 mm<sup>2</sup>/S  
at 40 °C

### 9.2 Other information

Explosivity : May form explosive gas / air mixtures.  
VOC : Value: 387 g/l

**Ardrox 3140**

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

**10. Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : None known.

**10.4 Conditions to avoid**

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

**10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents

**10.6 Hazardous decomposition products**

Risk of decomposition. : No decomposition if stored and applied as directed.

**11. Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Acute oral toxicity  
Naphtha (petroleum), hydro-  
drotreated heavy : LD50: > 15,000 mg/kg  
Species: rat

Acute dermal toxicity  
Naphtha (petroleum), hydro-  
drotreated heavy : LD50: > 3,160 mg/kg  
Species: rabbit

**Skin corrosion/irritation**

Skin irritation : May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

Eye irritation : Causes serious eye irritation.



**Ardrox 3140**

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

**Respiratory or skin sensitization**

Sensitisation : no data available

**Human experience** : Repeated exposure may cause skin dryness or cracking.

**Aspiration hazard**

Aspiration toxicity : May be fatal if swallowed and enters airways.

**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish : no data available

**12.2 Persistence and degradability**

Biodegradability : no data available

**12.3 Bioaccumulative potential**

Bioaccumulation : no data available

**12.4 Mobility in soil**

Distribution among environmental compartments : no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

Additional ecological information : slightly water endangering  
Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**13. Disposal considerations**

**13.1 Waste treatment methods**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

Product : Dispose of in accordance with local regulations.  
Contaminated packaging : Dispose of as unused product.  
Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### 14. Transport information

#### ADR

UN number : 3295  
UN proper shipping name : HYDROCARBONS, LIQUID, N.O.S., Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha  
Transport hazard class(es) : 3  
Packing group : III  
Classification Code : F1  
Hazard identification No : 30  
Packing instruction (LQ) : LQ7  
Labels : 3  
Tunnel restriction code : (D/E),  
Environmentally hazardous : yes

#### IATA

UN number : 3295  
Description of the goods : HYDROCARBONS, LIQUID, N.O.S., Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha  
Class : 3  
Packing group : III  
Labels : 3

Packing instruction (cargo aircraft) : 366

#### IATA\_C

Environmentally hazardous : no

Packing instruction (passenger aircraft) : 355

#### IATA\_P

Environmentally hazardous : no

#### IMDG

UN number : 3295  
Description of the goods : HYDROCARBONS, LIQUID, N.O.S., Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha  
Class : 3

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

Packing group : III  
Labels : 3  
EmS Number 1 : F-E  
EmS Number 2 : S-D  
Marine pollutant : yes

### RID

UN number : 3295  
Description of the goods : HYDROCARBONS, LIQUID, N.O.S., Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha  
Transport hazard class(es) : 3  
Packing group : III  
Classification Code : F1  
Hazard identification No : 30  
Labels : 3  
Packing instruction (LQ) : LQ7  
Environmentally hazardous : yes

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class (Germany) : WGK 1 slightly water endangering  
VWVWS A4

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.  
Regional or national implementations of GHS may not implement all hazard classes and categories.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

## 16. Other information

### Full text of R-phrases referred to under sections 2 and 3

R10 Flammable.  
R36 Irritating to eyes.  
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.

### Full text of H-Statements referred to under sections 2 and 3.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## Ardrox 3140

Version: 4.0

Revision Date 21.10.2011

Print Date 21.10.2011

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H413	May cause long lasting harmful effects to aquatic life.

### Full text of Notas referred to under section 3

Nota H	The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The manufacturers, importers and downstream users of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of this Directive.
Nota P	The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is classified as a carcinogen or mutagen, Note E shall also apply. When the substance is not classified as a carcinogen or mutagen at least the S-phrases (2-)23-24-62 shall apply. This note applies only to certain complex oil-derived substances in Annex I.

### Further information

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.