

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Ardrox 6077

Version: 1 06.09.2010

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

English

Product information

Commercial Product Name Ardrox 6077

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
number:

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Classification:

Additional advice:

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

Aqueous solution of alkali salts and surfactants., Alcohols

Hazardous components

Propan-2-ol 1.00 - 2.50 %

CAS-No.: 67-63-0 **EINECS-No.:** 200-661-7

Classification: F; R11 Xi; R36 R67

Ammonia 0.10 - 1.00 %

CAS-No.: 1336-21-6 **EINECS-No.:** 215-647-6

Classification: C; R34 N; R50

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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:

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Consult a physician.

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) nitrogen oxides (NO_x) ammonia

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

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 ready at the work place.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers:

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

Advice on common storage:

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Do not store near acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional technical information on the plant:

Ensure adequate ventilation, especially in confined areas.

Components with workplace control parameters

Ammonia 1336-21-6

	Value	Update	Basis
TWA	20.00 ppm 14.00 mg/m ³	2000-06-16	2000/39/EC
STEL	50.00 ppm 36.00 mg/m ³	2000-06-16	2000/39/EC
TWA	25.00 ppm 18.00 mg/m ³	2005-04-06	GB EH40
STEL	35.00 ppm 25.00 mg/m ³	2005-04-06	GB EH40

Propan-2-ol 67-63-0

	Value	Update	Basis
TWA	400.00 ppm 999.00 mg/m ³	2006-09-01	GB EH40
STEL	500.00 ppm 1,250.00 mg/m ³	2006-09-01	GB EH40

Personal protective equipment

Respiratory protection:

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

Hand protection:

General advice: Nitrile rubber, 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:

Safety glasses with side-shields conforming to EN166

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:	blue
Odour:	characteristic
Flash point:	97 °C
Density:	0.98 - 1.00 g/cm ³ at 20 °C
Water solubility:	completely miscible

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pH: 10.4
(undiluted)

10. STABILITY AND REACTIVITY

Conditions to avoid:

Protect from frost.

Materials to avoid:

Strong acids

Hazardous decomposition products:

No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Skin irritation:

May cause skin irritation in susceptible persons.

Eye irritation:

May cause eye irritation with susceptible persons.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):

Biodegradability:

Remarks: no data available

Further information:

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

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Product:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

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Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Additional advice:

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Special labelling of certain mixtures:

Safety data sheet available on request for professional users.

Propan-2-ol

National legislation

Water contaminating class (Germany):

nwg : not 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

R11 Highly flammable.

R34 Causes burns.

R36 Irritating to eyes.

R50 Very toxic to aquatic organisms.

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.