

**Ardrox 8544**

Version: 2.0

Revision Date 27.08.2012

Print Date 31.08.2012

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : Ardrox 8544

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

Use of the Sub- : Magnetoscopic liquid.  
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

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

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

**2.2 Label elements**

| Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

Further information : The product does not need to be labelled in accordance with  
EC directives or respective national laws.

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**2.3 Other hazards**

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

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

not applicable

**3.2 Mixtures**

Chemical nature : Aqueous solution  
suspension  
concentrate

Remarks : No dangerous ingredients according to Regulation (EC) No.  
1907/2006

**SECTION 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.  
If symptoms persist, call a physician.

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

Symptoms : No information available.

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

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

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Information Service.

**SECTION 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.

**5.3 Advice for firefighters**

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

**SECTION 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.  
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

**SECTION 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.  
The product is not flammable.

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

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.  
Keep at temperatures above 0°C.

Storage temperature : > 0 °C

### 7.3 Specific end use(s)

Specific use(s) : Magnetoscopic liquid.

## SECTION 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.

#### Personal protective equipment

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

Hand protection : Rubber gloves  
Nitrile rubber  
PVC or other plastic material 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 : 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.

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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.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance : suspension  
Colour : brown  
Odour : very faint  
Flash point : not applicable  
pH : 6 - 8.5  
at  
20 °C  
Boiling point/boiling range : ca. 100 °C  
Density : 1.05 g/cm<sup>3</sup>  
at 20 °C  
Water solubility : completely soluble

**9.2 Other information**

Explosivity : no explosion risk

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

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Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : None known.

**10.4 Conditions to avoid**

Conditions to avoid : Protect from frost, heat and sunlight.

**10.5 Incompatible materials**

Materials to avoid : Acids

**10.6 Hazardous decomposition products**

Risk of decomposition. : No decomposition if used as directed.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Skin corrosion/irritation**

Skin irritation : May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

Eye irritation : May cause eye irritation with susceptible persons.

**Respiratory or skin sensitization**

Sensitisation : no data available

**Human experience**

: Has a degreasing effect on the skin., Prolonged skin contact may cause skin irritation and/or dermatitis.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Ecotoxicology studies for the product are not available.

**12.2 Persistence and degradability**

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Biodegradability : no data available

**12.3 Bioaccumulative potential**

Bioaccumulation : Bioaccumulation is unlikely.

**12.4 Mobility in soil**

Distribution among environmental compartments : no data available

**12.5 Results of PBT and vPvB assessment**

This mixture does not contain substances considered to be persistent, bioaccumulating and toxic (PBT)., This mixture does not contain substances considered to be very persistent and very bioaccumulating (vPvB).

**12.6 Other adverse effects**

Additional ecological information : slightly water endangering  
Do not flush into surface water or sanitary sewer system.  
Do not allow material to contaminate ground water system.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

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.

**SECTION 14: Transport information**

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

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**SECTION 15: Regulatory information**

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

Candidate List of Substances of Very High Concern for Authorisation : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

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

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**

This product is not classified as hazardous therefore an Exposure Scenario is not necessary.

**SECTION 16: Other information**

**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.