

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Chemetall

Ardrox 8903W Aerosol

Version: 2 18.09.2009

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

English

Product information

Commercial Product Name Ardrox 8903W Aerosol

Recommended use:

Coating material

Company: Chemetall plc
Denbigh Road
Bletchley Milton Keynes MK1 1PB

Lead Organisation:

Contact person:

Telephone: 01908 649333

Telefax: 01908 373939

Product safety:

Telephone: +44(0)1908 649333

E-mail address: ukinfo@chemetall.com

Emergency telephone: 01908 649333

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Classification:

Extremely flammable R12 Extremely flammable.

Irritant R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

R66 Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

| **Acetone** 25.00 - 50.00 %

CAS-No.: 67-64-1 **EINECS-No.:** 200-662-2

Classification: F; R11 Xi; R36 R66 R67

| **Isobutane** 10.00 - 25.00 %

CAS-No.: 75-28-5 **EINECS-No.:** 200-857-2

Classification: F+; R12

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Propane 2.50 - 10.00 %
CAS-No.: 74-98-6 **EINECS-No.:** 200-827-9
Classification: F+; R12

WEL substance:
Butane 10.00 - 25.00 %
CAS-No.: 106-97-8 **EINECS-No.:** 203-448-7
Classification: F+; R12

1-Methoxy-2-propanol 2.50 - 10.00 %
CAS-No.: 107-98-2 **EINECS-No.:** 203-539-1
Classification: R10

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. Consult a physician.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting:

Risk of explosion.

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

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. Pick up and transfer to properly labelled containers.

Additional advice:

Vapours may form explosive mixture with air.

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7. HANDLING AND STORAGE

Handling

Safe handling advice:

Provide sufficient air exchange and/or exhaust in work rooms. Floor level ventilation required. 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. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air. Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight. Follow the regulations for the storage of pressurised gas containers.

Storage stability:**Storage temperature:**

< 50 °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**Acetone 67-64-1**

	Value	Update	Basis
TWA	500.00 ppm 1,210.00 mg/m3	02 2006	EU ELV
TWA	500.00 ppm 1,210.00 mg/m3	2007	EH40 WEL
STEL	1,500.00 ppm 3,620.00 mg/m3	2007	EH40 WEL

Butane 106-97-8

	Value	Update	Basis
TWA	600.00 ppm 1,450.00 mg/m3	2007	EH40 WEL
STEL	750.00 ppm 1,810.00 mg/m3	2007	EH40 WEL

1-Methoxy-2-propanol 107-98-2

	Value	Update	Basis
TWA	100.00 ppm 375.00 mg/m3	2007	EH40 WEL
STEL	150.00 ppm 560.00 mg/m3	2007	EH40 WEL
SKIN_DES	Can be absorbed through the skin.	2007	EH40 WEL
TWA	100.00 ppm 375.00 mg/m3	02 2006	EU ELV
STEL	150.00 ppm 568.00 mg/m3	02 2006	EU ELV
SKIN_DES	Can be absorbed through the skin.	02 2006	EU ELV

Personal protective equipment**Respiratory protection:**

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

Hand protection:

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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:	aerosol
Colour:	white
Odour:	acetone-like
Boiling point/boiling range:	not applicable
Flash point:	-18 °C acetone
Flash point:	-60 °C butane
Density:	1.1 g/cm ³
Water solubility:	partly miscible
pH:	not applicable

10. STABILITY AND REACTIVITY

Conditions to avoid:

Keep away from heat and sources of ignition.

Materials to avoid:

Strong oxidizing agents

Hazardous decomposition products:

No decomposition if stored and applied as directed.

Hazardous reactions:

In use, may form flammable/explosive vapour-air mixture.

11. TOXICOLOGICAL INFORMATION

Skin irritation:

Prolonged skin contact may defat the skin and produce dermatitis., Repeated contact may cause

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allergic reactions in very susceptible persons.

Eye irritation:

Irritating to eyes.

Further toxicological information:

Vapours may cause drowsiness and dizziness., Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):

Biodegradability:

Remarks: no data available

Further information:

Do not flush into surface water or sanitary sewer system. slightly water endangering

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

160504 gases in pressure containers (including halons) containing dangerous substances

Product:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

Regulation : ADR

UN/ID No.: 1950

Proper shipping name: AEROSOLS

Class: 2

ADR/RID-Labels: 2.1

Regulation : RID

UN/ID No.: 1950

Proper shipping name: AEROSOLS

Class: 2

ADR/RID-Labels: 2.1

Regulation : IMDG

UN/ID No.: 1950

Proper shipping name: AEROSOLS

Class: 2.1

EmS: F-D S-U

Regulation : IATA_C

UN/ID No.: 1950

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Proper shipping name: AEROSOLS,FLAMMABLE
Class: 2.1

Regulation : IATA_P
UN/ID No.: 1950
Proper shipping name: AEROSOLS,FLAMMABLE
Class: 2.1

15. REGULATORY INFORMATION

Labelling:



Extremely flammable



Irritant

R-phrases(s):	R12	Extremely flammable.
	R36	Irritating to eyes.
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness.

S-phrases(s):	S23	Do not breathe spray.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S33	Take precautionary measures against static discharges.
	S37	Wear suitable gloves.
	S51	Use only in well-ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.

Special labelling of certain preparations:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Also after use, do not open with force or burn.

Do not spray on a naked flame or any other incandescent material.

Keep away from sources of ignition - No smoking.

Keep away from children.

99/45/EC - 2001/60/EC and 2006/8/EC included

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

R10 Flammable.

R11 Highly flammable.

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R12 Extremely flammable.

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Text of R phrases mentioned in Section 3

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.