

Ardrox 666

Version: 1 . 21.07.2006

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

English

Product information

Commercial Product Name Ardrox 666

Recommended use:

Paint stripper, Rust remover, decarbonizing and decoking agent used for the elimination of burnt oils, fats, dry paints, oxides, rust and products resulting from corrosion.

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

Lead Organisation:

Telephone: 01908 649333

Telefax: 01908 373939

Emergency telephone number: 01908 649333

Contact person:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS-No. EINECS-No. ELINCS-No.	Symbol(s)	R- phrase(s)	Concentration
Dichloromethane; Methylene Chloride	75-09-2 200-838-9	Xn	R40	>50.00 %
Cresylic acid		T, C	R24/25, R34	10.00 - 25.00 %
Solvent naphtha (petroleum), light arom.	64742-95-6 265-199-0	Xn, N	R10, R37, R51/53, R65, R66, R67	2.50 - 10.00 %
Sodium chromate	7775-11-3 231-889-5	T+, N	R45, R46, R60, R61, R21, R25, R26, R34, R42/43, R48/23, R50/53	<1.00 %
dipentene; limonene	138-86-3 205-341-0	Xi, N	R10, R38, R43, R50/53	<1.00 %

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment****Indication of danger:** T Toxic

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R45 May cause cancer.
R46 May cause heritable genetic damage.
R60 May impair fertility.
R61 May cause harm to the unborn child.
R23/24/25 Also toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R42/43 May cause sensitization by inhalation and skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General advice:

Take off contaminated clothing and shoes immediately.

Eye contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact:

Wash off immediately with soap and plenty of water.

Inhalation:

Move to fresh air. If symptoms persist, call a physician.

Ingestion:

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

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting:

May form toxic gases on heating or in case of fire. Hydrogen chloride gas Carbon monoxide Phosgene

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

Suitable extinguishing media:

Carbon dioxide (CO₂), Dry powder, Water spray, Alcohol-resistant foam

Extinguishing media which must not be used for safety reasons:

High volume water jet

Further information:

Risk of bursting. Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions:

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Soak up with liquid binder (sand, kieselguhr, acid binder, universal binder). Sweep up or vacuum up spillage and collect in suitable container for disposal.

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7. HANDLING AND STORAGE**Handling****Safe handling advice:**

Have eye wash bottle or eye rinse ready at the work place. Ensure adequate ventilation. Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion:

Keep away from open flames, hot surfaces and sources of ignition. Product resists ignition and does not promote flame spread. Normal measures for preventive fire protection.

Storage**Requirements for storage areas and containers:**

Keep containers tightly closed in a cool, well-ventilated place. Store at room temperature in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****Dichloromethane; Methylene Chloride 75-09-2**

	Value	Update	Basis
TWA	350.00 mg/m ³ 100.00 ppm	2002	EH40 MEL
STEL	1,060.00 mg/m ³ 300.00 ppm	2002	EH40 MEL
SKIN_DES	Can be absorbed through the skin.	2002	EH40 MEL

Cresylic acid

	Value	Update	Basis
TWA	22.00 mg/m ³ 5.00 ppm	2002	EH40 OES
SKIN_DES	Can be absorbed through the skin.	2002	EH40 OES
TWA	22.00 mg/m ³ 5.00 ppm	05 2001	EU ELV

Personal protective equipment**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

Neoprene gloves

Eye protection:

Tightly fitting safety goggles

Skin and body protection:

Protective suit

Hygiene measures:

Avoid contact with the skin and the eyes. Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing and shoes immediately. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: liquid
 Colour: yellow (upper layer)
 Colour: brown (lower layer)
 Odour: characteristic

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Change in physical state

Melting point/range:	-2 °C (upper layer)
Melting point/range:	< -10 °C (lower layer)
Boiling point/range:	44 °C
Density:	1.14 g/cm ³
Water solubility:	completely miscible (upper layer)
Water solubility:	immiscible (lower layer)

10. STABILITY AND REACTIVITY**Conditions to avoid**

Keep away from heat.

Materials to avoid

Strong oxidizing agents Strong acids Powdered metals

Hazardous decomposition products

No decomposition if used as directed.

Hazardous reactions:

With oxidizing agents possible.

11. TOXICOLOGICAL INFORMATION**Skin irritation:**

Causes burns.

Eye irritation:

Causes burns.

Sensitization:

May cause sensitization by inhalation and skin contact.

Further information:

May cause cancer. May cause heritable genetic damage. May impair fertility. May cause harm to the unborn child. Toxic by inhalation, in contact with skin and if swallowed. Inhalation of high vapour concentrations can cause CNS-depression and narcosis. If swallowed, severe burns in the oral cavity and throat as well as danger of perforation of the digestive tract and stomach.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Chemical Oxygen Demand (COD):**

1,000,000 mg/L

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Further information:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. highly water endangering

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

080121 waste paint or varnish remover

Product:

Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging:

Dispose of as special waste in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Regulation : ADR

UN/ID No.: 2927

Proper shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., Dichloromethane/ Methylene Chloride, Cresol

Packaging group: II

Class: 6.1

Regulation : RID

UN/ID No.: 2927

Proper shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., Dichloromethane/ Methylene Chloride, Cresol

Packaging group: II

Class: 6.1

Regulation : IMDG

UN/ID No.: 2927

Proper shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., Dichloromethane/ Methylene Chloride, Cresol

Packaging group: II

Class: 6.1

EmS: F-A S-B

Regulation : IATA_C

UN/ID No.: 2927

Proper shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., Dichloromethane/ Methylene Chloride, Cresol

Packaging group: II

Class: 6.1

Regulation : IATA_P

UN/ID No.: 2927

Proper shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., Dichloromethane/ Methylene Chloride, Cresol

Packaging group: II

Class: 6.1

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15. REGULATORY INFORMATION**Hazardous components which must be listed on the label:**

- Cresylic acid
- Sodium chromate

Labelling:	T	Toxic
R-phrase(s):	R45	May cause cancer.
	R46	May cause heritable genetic damage.
	R60	May impair fertility.
	R61	May cause harm to the unborn child.
	R23/24/25	Also toxic by inhalation, in contact with skin and if swallowed.
	R34	Causes burns.
	R42/43	May cause sensitization by inhalation and skin contact.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s):	S53	Avoid exposure - obtain special instructions before use.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S35	This material and its container must be disposed of in a safe way.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Special labelling of certain preparations:

Restricted to professional users.

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 2+3****R40** Limited evidence of a carcinogenic effect.**R24/25** Toxic in contact with skin and if swallowed.**R34** Causes burns.**R10** Flammable.**R37** Irritating to respiratory system.**R51/53** Toxic to aquatic organisms, 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.**R67** Vapours may cause drowsiness and dizziness.**R45** May cause cancer.**R46** May cause heritable genetic damage.**R60** May impair fertility.**R61** May cause harm to the unborn child.**R21** Harmful in contact with skin.

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- R25** Toxic if swallowed.
- R26** Very toxic by inhalation.
- R34** Causes burns.
- R42/43** May cause sensitization by inhalation and skin contact.
- R48/23** Toxic: danger of serious damage to health by prolonged exposure through inhalation.
- R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R10** Flammable.
- R38** Irritating to skin.
- R43** May cause sensitization by skin contact.
- R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R45** May cause cancer.
- R46** May cause heritable genetic damage.
- R60** May impair fertility.
- R61** May cause harm to the unborn child.
- R23/24/25** Also toxic by inhalation, in contact with skin and if swallowed.
- R34** Causes burns.
- R42/43** May cause sensitization by inhalation and skin contact.
- R52/53** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.