

Ardrox 1900 B

Version: 1 . 05.02.2007

Print Date 05.02.2007

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

English

Product information

Commercial Product Name Ardrox 1900 B

Recommended use:

Cleaning agent

Company: Chemetall GmbH
Trakehner Strasse 3
60487 Frankfurt a.M.Lead Organisation: Aerospace Technologies
Telephone: +49(0)69 7165-3822
Telefax: +49(0)69 7165-3018
Emergency telephone +49(0)5326 51-0
number:
Contact person:**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical characterization:**

Aqueous solution of organic and inorganic salts.

Hazardous components**Surfactant, non-ionic** 2.50 - 10.00 %**CAS-No.:** 9036-19-5 **ELINCS/EINECS:****Classification:** Xi; R41 Xn; R22 R52/53**2-(3-methoxypropoxy)propan-1-ol** 2.50 - 10.00 %**CAS-No.:** 34590-94-8 **ELINCS/EINECS:** 252-104-2**Disodium tetraborate decahydrate** 1.00 - 2.50 %**CAS-No.:** 1303-96-4 **ELINCS/EINECS:** 215-540-4**Quaternary alkylamine ethoxylate** 0.10 - 1.00 %**CAS-No.:** 61791-10-4 **ELINCS/EINECS:****Classification:** Xi; R36 N; R51/53**Sodium Hydroxide** 0.10 - 1.00 %**CAS-No.:** 1310-73-2 **ELINCS/EINECS:** 215-185-5**Classification:** C; R35**3. HAZARDS IDENTIFICATION****Risk advice to man and the environment****Classification:**

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Irritant

R36/38 Irritating to eyes and skin.

4. FIRST AID MEASURES

General advice:

Take off contaminated clothing and shoes immediately.

Eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact:

Wash off immediately with 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. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting:

May form toxic gases on heating or in case of fire.

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Suitable extinguishing media:

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

Further information:

Use water spray to cool unopened containers. The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear personal protective equipment.

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.

7. HANDLING AND STORAGE

Handling

Safe handling advice:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of aerosol.

Advice on protection against fire and explosion:

No special protective measures against fire required.

Storage

Requirements for storage areas and containers:

Store at room temperature in the original container. Keep container tightly closed and dry.

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Further information:

Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc). Strong acids Protect against freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****2-(3-methoxypropoxy)propan-1-ol 34590-94-8**

	Value	Update	Basis
TWA	50.00 ppm 308.00 mg/m ³	2002	EH40 OES
SKIN_DES	Can be absorbed through the skin.	2002	EH40 OES
TWA	50.00 ppm 308.00 mg/m ³	05 2001	EU ELV
SKIN_DES	Can be absorbed through the skin.	05 2001	EU ELV

Disodium tetraborate decahydrate 1303-96-4

	Value	Update	Basis
TWA	5.00 mg/m ³	2002	EH40 OES
TWA	5.00 mg/m ³	2005	EH40 WEL

Personal protective equipment**Respiratory protection:**

Not required; except in case of aerosol formation.

Hand protection:

Material: Neoprene

General advice: Neoprene gloves, The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it., The exact break through time can be obtained from the protective glove producer and this has to be observed.

Eye protection:

Tightly fitting safety goggles

Skin and body protection:

protective suit

Hygiene measures:

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: liquid
 Colour: off-white
 Odour: characteristic

Change in physical state

Flash point: not applicable
 Ignition temperature: not applicable
 Density: 1.01 g/cm³
 at 20 °C

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pH: 12 - 12.6
at: 20 °C
(undiluted)

pH: 11.5 - 12
at: 250 g/L
at: 20 °C

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

Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc)., Protect against freezing.

Materials to avoid

Amphoteric metals are attacked developing hydrogen (combustible)., Incompatible with acids.

Hazardous decomposition products

Decomposes on heating., Carbon monoxide, Carbon dioxide (CO₂), Sodium oxides, nitrogen oxides (NO_x)

Stability:

Stable under normal conditions.

Note:

No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION**Skin irritation:**

Irritating to skin.

Eye irritation:

Irritating to eyes.

Sensitization:

No sensitising effects are known.

Further information:

Ingestion may cause irritation to mucous membranes.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability):****Biodegradability:**

Remarks: no data available

Chemical Oxygen Demand (COD):

210,000 mg/L

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slightly water endangering

Further information:

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

13. DISPOSAL CONSIDERATIONS

Waste key for the unused product:

070601 aqueous washing liquids and mother liquors

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

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling:	Xi	Irritant
R-phrase(s):	R36/38	Irritating to eyes and skin.
S-phrase(s):	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.
	S60	This material and its container must be disposed of as hazardous waste.

Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws.

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16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

R22 Harmful if swallowed.

R35 Causes severe burns.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.