

Ardrox 907PB

Version 2.0

Revision Date 10.08.2011

Print Date 20.05.2014

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Ardrox 907PB

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

Use of the Sub- : Red penetrative 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

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.
Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters air-
ways.

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

Harmful R65: Harmful: may cause lung damage if swal-
lowed.
Irritant R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness
or cracking.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H304 May be fatal if swallowed and enters airways. H318 Causes serious eye damage.
	:	EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	Prevention: P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 64742-47-8 Distillates (Petroleum), hydrotreated light Kerosine-unspecified
- 68439-45-2 Alcohol ethoxylate

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

Hazard pictograms	:	
		Harmful

R-phrases) : R36 Irritating to eyes.

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	R65	Harmful: may cause lung damage if swallowed.
	R66	Repeated exposure may cause skin dryness or cracking.
S-phrases)	: S23 S24/25 S37/39	Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazardous components which must be listed on the label:

- 64742-47-8 Distillates (Petroleum), hydrotreated light Kerosine-unspecified

2.3 Other hazards

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

3. Composition/information on ingredients

3.1 Substances

Identification: Ardrox 907PB

3.2 Mixtures

Chemical nature : Mixture of organic solvents containing surfactants.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Distillates (Petroleum), hydrotreated light Kerosine-unspecified	64742-47-8 265-149-8	Xn; R65 R66 Nota H	Asp. Tox. 1; H304	>= 50 - < 65
Alcohol ethoxylate	68439-45-2	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 2.5 - < 5
Ethoxylated Secondary Alcohols (C11 - 15)	68131-40-8	Xn; R22	Acute Tox. 4; H302	>= 2.5 - < 5

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		Xi; R41	Eye Dam. 1; H318	
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar', ar"-Me derivs.	92257-31-3 296-120-8	Repr. Cat. 3; R62	Repr. 2; H361f	>= 1 - < 2.5
Amine derivative	95-38-5 202-414-9	Xn; R22 C; R34 N; R50/53	Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Chronic 1; H410	>= 0.1 - < 0.25
WEL substance :				
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8 252-104-2 01-2119450011-60-		Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.	>= 2.5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

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 with water.

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Do NOT induce vomiting.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : Aspiration hazard.
corrosive effects

4.3 Indication of any immediate medical attention and special treatment needed

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

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
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.
Carbon monoxide
Carbon dioxide (CO₂)
nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Use water spray to cool unopened containers.

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.

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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

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.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Normal measures for preventive fire protection.
Take precautionary measures against static discharges.

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.
Protect from direct sunlight.

Storage temperature : 5 - 40 °C

7.3 Specific end uses

Specific use(s) : Red penetrative liquid.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8	TWA	50 ppm 308 mg/m ³	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skin Indicative			

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	34590-94-8	TWA	50 ppm 308 mg/m ³	2005-04-06	GB EH40
Further information	: Sk: Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used				

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 : 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 : Eye protection (EN 166)
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.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: red
Odour	: hydrocarbon-like
Flash point	: > 93 °C
Density	: 0.86 g/cm ³ at 20 °C

9.2 Other information

Explosivity	: no data available
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10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: None known.
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10.4 Conditions to avoid

Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep away from open flames, hot surfaces and sources of ignition.
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10.5 Incompatible materials

Materials to avoid	: Strong oxidizing agents
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10.6 Hazardous decomposition products

11. Toxicological information

11.1 Information on toxicological effects

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Acute toxicity

Acute oral toxicity : Acute toxicity estimate: 5,917.16 mg/kg
Method: Calculation method

Acute oral toxicity
Distillates (Petroleum), hydro-
drotreated light Kerosine-
unspecified : LD50: > 15,000 mg/kg

Alcohol ethoxylate : LD50: 300 - 2,000 mg/kg
Species: rat

Amine derivative : LD50: 1,265 mg/kg
Species: rat

2-(3-
Methoxypropoxy)propan-1-ol : LD50: 5,135.0 mg/kg
Species: rat

Acute dermal toxicity
Distillates (Petroleum), hydro-
drotreated light Kerosine-
unspecified : LD50: > 3,160 mg/kg

Alcohol ethoxylate : LD50: > 2,000 mg/kg
Species: rat

2-(3-
Methoxypropoxy)propan-1-ol : LD50: > 19,000.0 mg/kg
Species: rat

Skin corrosion/irritation

Skin irritation : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Eye irritation : Causes serious eye damage.

Respiratory or skin sensitization

Sensitisation : no data available

Human experience : Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

Aspiration toxicity : May be fatal if swallowed and enters airways.

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12. Ecological information

12.1 Toxicity

Ecotoxicology studies for the product are not available.

Toxicity to fish

Alcohol ethoxylate : LC50: > 10 - 100 mg/l
Species: Fish

Amine derivative : LC50: 0.3 mg/l

2-(3-Methoxypropoxy)propan-1-ol : LC50: > 10,000 mg/l
Exposure time: 96 h
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates.

Alcohol ethoxylate : LC50: > 1 - 10 mg/l
Species: Daphnia

Amine derivative : EC50: 0.37 mg/l
Species: Daphnia

2-(3-Methoxypropoxy)propan-1-ol : LC50: 1,919 mg/l
Exposure time: 48 h
Species: Daphnia

Toxicity to algae

Alcohol ethoxylate : EC50: > 10 - 100 mg/l

2-(3-Methoxypropoxy)propan-1-ol : EC50: > 969 mg/l
Exposure time: 96 h
Species: Pseudokirchneriella subcapitata

12.2 Persistence and degradability

Biodegradability : no data available

12.3 Bioaccumulative potential

Bioaccumulation : no data available

12.4 Mobility in soil

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Distribution among environmental compartments : no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

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

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.

14. Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. Regulatory information

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

Water contaminating class (Germany) : WGK 2 water endangering
VVVWS A4

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

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Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

Full text of H-Statements referred to under sections 2 and 3.

EUH066	Repeated exposure may cause skin dryness or cracking.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.
H410	Very toxic to aquatic life with long lasting effects.

Full text of Notas referred to under section 3

Nota H	The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The manufacturers, importers and downstream users of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of this Directive.
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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.