

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 18.08.2021

Product: **ARDROX 5503**

Version: 1.0

(30721242/SDS_GEN_NZ/EN)

Date of print 04.09.2021

1. Substance/preparation and manufacturer/supplier identification

ARDROX 5503

Recommended use: Detergents

Not recommended use: Uses other than recommended

Manufacturer/supplier:

Chemetall (New Zealand) Ltd
664 Rosebank Road Avondale,
Auckland 1026
NEW ZEALAND
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency information:

National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

Classification of the substance and mixture:

Aspiration hazard: Cat. 1

Flammable liquids: Cat. 4

Label elements and precautionary statement:

Pictogram:



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Signal Word:
Danger

Hazard Statement:

H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves, protective clothing and eye protection or face protection.

Precautionary Statements (Response):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or physician.
P370 + P378 In case of fire: Use water spray for extinction.
P331 Do NOT induce vomiting.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Blend based on: organic solvent

Kohlenwasserstoffe, C11-C13, Isoalkane, <2% Aromaten (Content (W/W): 100 %)
CAS Number: 90622-58-5

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Specific hazards:

carbon oxides

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid breathing vapours. Keep away from sources of ignition. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

Storage

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Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP)

Further information on storage conditions: Keep container dry. Keep container tightly closed in a cool, well-ventilated place. The entrance to storage rooms is to be granted only to appropriately trained personnel. Avoid all sources of ignition: heat, sparks, open flame. Keep away from heat. Avoid direct sunlight.

Storage stability:

Storage temperature: < 40 °C

Storage duration: 36 Months

8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection required if exposure limit (if available) may be exceeded (Gas filter EN 14387 A)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Further information on penetration time is available from the manufacturer of the glove.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form: liquid
Colour: colourless
Odour: slight odour

pH value: not applicable

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Melting point:	< -57 °C
onset of boiling:	> 185 °C
Flash point:	61 °C
Flammability (solid/gas):	Combustible liquid.
Lower explosion limit:	not determined
Upper explosion limit:	7 %(V)
Ignition temperature:	not determined
Self ignition:	Temperature: > 335 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	0.762 g/cm ³ (20 °C)
Solubility in water:	practically insoluble < 0.1 g/l (25 °C)
Miscibility with water:	immiscible
Viscosity, kinematic:	6.0 mm ² /s (20 °C) 1.300 mm ² /s (40 °C)

10. Stability and Reactivity

Conditions to avoid:
Avoid direct sunlight.

Substances to avoid:
strong oxidizing agents

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Based on available data, the classification criteria are not met.

Irritation

Assessment of irritating effects:

Based on available data, the classification criteria are not met.

Experimental/calculated data:

Serious eye damage/irritation: May cause eye irritation with susceptible persons.

Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Based on available data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available data, the classification criteria are not met.

Aspiration hazard

May also damage the lung at swallowing (aspiration hazard).

Other relevant toxicity information

Assessment indicates this product through repeated exposure may cause skin dryness or cracking

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
No data available concerning biodegradation and elimination.

Bioaccumulation potential

Bioaccumulation potential:
No data available.

Additional information

Other ecotoxicological advice:
Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water channels.

13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Other regulations

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002525

Cleaning Products (Combustible) Group Standard 2017

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.