

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 13.01.2021

Product: **Ardrox 5319, Aerosol ANZ**

Version: 1.0

(30720958/SDS_GEN_NZ/EN)

Date of print 17.03.2021

1. Substance/preparation and manufacturer/supplier identification

Ardrox 5319, Aerosol ANZ

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:

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Flammable aerosols: Cat. 1

Flammable aerosols: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:
 Danger

Hazard Statement:

H222 Extremely flammable aerosol.
 H229 Pressurized container: May burst if heated.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P251 Do not pierce or burn, even after use.
 P280 Wear protective gloves, protective clothing and eye protection or face protection.
 P264 Wash contaminated body parts thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER or physician if you feel unwell.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P337 + P313 If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 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:

Container is under pressure. Protect from sun and temperatures above 50 °C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

3. Composition/information on ingredients

Chemical nature

blend, organic solvents

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Hazardous ingredients

propan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$ Flam. Liq.: Cat. 2
CAS Number: 67-63-0 Acute Tox.: Cat. 5 (oral)
Eye Dam./Irrit.: Cat. 2A
STOT SE: Cat. 3 (drowsiness and dizziness)

acetone

Content (W/W): $\geq 50\%$ - $< 75\%$ Flam. Liq.: Cat. 2
CAS Number: 67-64-1 Eye Dam./Irrit.: Cat. 2A
STOT SE: Cat. 3 (drowsiness and dizziness)

Carbon dioxide

Content (W/W): $\geq 3\%$ - $< 5\%$ Press. Gas: Cat. Compr. Gas
CAS Number: 124-38-9

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
carbon oxides
Cool containers exposed to fire with water. Decomposition, pressure build-up and bursting of containers may occur.

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. 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. Handle with care - avoid bumps, friction and impact. 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. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), Paper/Fibreboard

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep away from heat.

8. Exposure controls and personal protection

Components with occupational exposure limits

propan-2-ol, 67-63-0;

STEL value 400 ppm (ACGIHTLV)
TWA value 200 ppm (ACGIHTLV)
STEL value 1,230 mg/m³ ; 500 ppm (OEL (NZ))
TWA value 983 mg/m³ ; 400 ppm (OEL (NZ))

acetone, 67-64-1;

TWA value 250 ppm (ACGIHTLV)
STEL value 500 ppm (ACGIHTLV)
(OEL (NZ))
Exposure can also be estimated by biological monitoring.
TWA value 1,185 mg/m³ ; 500 ppm (OEL (NZ))
STEL value 2,375 mg/m³ ; 1,000 ppm (OEL (NZ))

Carbon dioxide, 124-38-9;

TWA value 5,000 ppm (ACGIHTLV)
STEL value 30,000 ppm (ACGIHTLV)
TWA value 9,000 mg/m³ ; 5,000 ppm (OEL (NZ))
STEL value 54,000 mg/m³ ; 30,000 ppm (OEL (NZ))

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Combination filter EN 14387 AX-P)

Hand protection:

Chemical resistant protective gloves (EN 374)
nitrile rubber (NBR) - 0.4 mm coating thickness
butyl rubber (butyl) - 0.7 mm coating thickness

Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1

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

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

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. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. 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:	aerosol under pressure
Colour:	white
Odour:	sweetish
pH value:	substance/mixture is a gas
Melting point:	not determined
onset of boiling:	56 °C
Flash point:	-17 °C
Flammability (solid/gas):	Extremely flammable aerosol.
Lower explosion limit:	approx. 2.0 %(V)
Upper explosion limit:	approx. 12.8 %(V)
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

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Density:	0.800 g/cm ³ (20 °C)
Miscibility with water:	immiscible
Viscosity, kinematic:	(40 °C) not applicable
Flow time:	not applicable

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight. Avoid prolonged exposure to extreme heat.

Substances to avoid:

strong oxidizing agents, Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Risk of bursting. Vapours may form explosive mixture with air.

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.

Information on: propan-2-ol

Experimental/calculated data:

LD50 rat (oral): 4,396 mg/kg

Literature data.

Irritation

Assessment of irritating effects:

Not irritating to the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation.

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:

Possible narcotic effects (drowsiness or dizziness).

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

No aspiration hazard expected.

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.

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Persistence and degradability

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

Bioaccumulation potential

Bioaccumulation potential:
No data available.

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.

14. Transport Information

Domestic transport:

ID number: UN 1950
Transport hazard class(es): 2.1
Proper shipping name: AEROSOLS

Further information

IERG Number:49

Sea transport

IMDG

ID number: UN 1950
Transport hazard class(es): 2.1
Marine pollutant: NO
Proper shipping name: AEROSOLS

Air transport

IATA/ICAO

ID number: UN 1950
Transport hazard class(es): 2.1
Proper shipping name: AEROSOLS, FLAMMABLE

15. Regulatory Information

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Other regulations

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 HSR002515

Aerosols (Flammable) 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.