

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 18.08.2021

Product: **ARDROX 8901W**

Version: 1.0

(30721086/SDS_GEN_NZ/EN)

Date of print 29.08.2021

1. Substance/preparation and manufacturer/supplier identification

ARDROX 8901W

Recommended use: Surface treatment agent

Not recommended use: None known

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 liquids: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:
 Danger

Hazard Statement:

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P240 Ground and bond container and receiving equipment.
 P233 Keep container tightly closed.
 P243 Take action to prevent static discharges.
 P241 Use explosion-proof electrical, ventilating and lighting equipment.
 P242 Use only non-sparking tools.
 P271 Use only outdoors or in a well-ventilated area.
 P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P312 Call a POISON CENTER or physician if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical attention.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P370 + P378 In case of fire: Use water spray for extinction.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. 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

organic, inorganic

Hazardous ingredients

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)

Butyl diglycol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 112-34-5	Acute Tox.: Cat. 5 (dermal)
	Skin Corr./Irrit.: Cat. 3
	Eye Dam./Irrit.: Cat. 2A

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Remove contaminated clothing. Show container, label and/or safety data sheet to physician.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

On contact with eyes:

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

On ingestion:

Rinse mouth immediately with water. Immediately rinse mouth and then drink 200 - 300 ml water, do not induce vomiting, seek medical attention. Summon medical aid without delay.

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

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. 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

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid inhalation of vapour and spray mist. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

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Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Vapours may form explosive mixture with air.
Take precautionary measures against static discharges.

Storage

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

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. Avoid direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

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))

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 AX)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

butyl rubber gloves - material thickness: 0.5 mm

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

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. 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:	white
Odour:	opaque sweetish
pH value:	not applicable
Melting point:	not determined
onset of boiling:	> 56 °C
Flash point:	> -17 °C
Flammability (solid/gas):	Highly flammable liquid and vapour.
Lower explosion limit:	not determined
Upper explosion limit:	approx. 12.8 %(V)
Ignition temperature:	not determined
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:	0.900 g/cm ³ (20 °C)
Solubility in water:	partly soluble
Miscibility with water:	immiscible
Viscosity, kinematic:	6.0 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	Unspecified

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.

Substances to avoid:

strong oxidizing agents

Hazardous reactions:

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: Butyl diglycol

Experimental/calculated data:

LD50 rabbit (dermal): 2,764 mg/kg (OECD Guideline 402)

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.

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.

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14. Transport Information

Domestic transport:

Packing group: II
ID number: UN 1090
Transport hazard class(es): 3
Proper shipping name: ACETONE

Further information

Hazchem Code:2YE
IERG Number:14

Sea transport

IMDG

Packing group: II
ID number: UN 1090
Transport hazard class(es): 3
Marine pollutant: NO
Proper shipping name: ACETONE

Air transport

IATA/ICAO

Packing group: II
ID number: UN 1090
Transport hazard class(es): 3
Proper shipping name: ACETONE

15. Regulatory Information

Other regulations

Xi - Irritant.
F - Highly flammable.

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 HSR002611

Metal Industry Products (Flammable) Group Standard 2017

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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.