

Safety Data Sheet

Ardrox 9D1B Aerosol NA

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1. Identification

Product identifier used on the label

Ardrox 9D1B Aerosol NA

Recommended use of the chemical and restriction on use

Recommended use*: Nondestructive Testing

Unsuitable for use: Uses other than recommended

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Chemetall Canada Limited.

1 Kenview Blvd, Unit 110

Brampton, ON L6T 5E6

CANADA

+1 905 791-1628

sds.na-chemetall@basf.com

Emergency telephone number

24 Hour Emergency Response Information

Telephone: 800-424-9300, +1-703-527-3887

Other means of identification

Substance number: 864504

Chemical family: organic, inorganic

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2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Flam. Aerosol	1	Flammable aerosols

Label elements

Pictogram:



Signal Word:
Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

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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.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (see on this label).
P332 + P313	If skin irritation occurs: Get medical attention.
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):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Hazards not otherwise classified

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.

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3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

2-Propanol

CAS Number: 67-63-0

Content (W/W): ≥ 15.0 - $< 20.0\%$

Synonym: Isopropyl alcohol

Acetone

CAS Number: 67-64-1

Content (W/W): ≥ 50.0 - $< 75.0\%$

Synonym: Acetone

propane

CAS Number: 74-98-6

Content (W/W): ≥ 10.0 - $< 15.0\%$

Synonym: Propan

Propane, 2-methyl-

CAS Number: 75-28-5

Content (W/W): ≥ 5.0 - $< 7.0\%$

Synonym: Isobutane

Talc

CAS Number: 14807-96-6

Content (W/W): ≥ 7.0 - $< 10.0\%$

Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

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General advice:

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing.

If inhaled:

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

If on skin:

Wash affected areas thoroughly with soap and water. If symptoms persist, seek medical advice.

If in eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Seek medical attention. Remove contact lenses, if present.

If swallowed:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed

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.

Information on: 2-Propanol

Symptoms: Overexposure may cause:., headache, dizziness, coordination disorder, coma, abdominal cramps, nausea, vomiting

Information on: Acetone

Symptoms: Overexposure may cause:., Eye irritation, irritates the eyes and respiratory tract, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, CNS depression

Information on: propane

Symptoms: Overexposure may cause:., unconsciousness, asphyxia, respiratory disorders, headache, dizziness

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Information on: Talc

Symptoms: Overexposure may cause:, vomiting, convulsions, cyanosis, irregular breathing, dyspnea

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

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

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon oxides

Advice for fire-fighters

Protective equipment for fire-fighting:
Appropriate breathing apparatus may be required.

Further information:

In case of combustion evolution of toxic gases/vapours possible.

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Cool endangered containers with water-spray. Risk of bursting.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Information regarding personal protective measures, see section 8.

Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Ensure adequate ventilation. 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.

7. Handling and Storage

Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). In closed rooms provide exhaust ventilation at floor level. The workplace should be equipped with an emergency shower and eye-rinsing facility. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours may form explosive mixture with air. The relevant fire protection measures should be noted.

Electrical handling equipment should be explosion-proof. Use explosion-proof equipment.

Conditions for safe storage, including any incompatibilities

No applicable information available.

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

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. Keep away from heat. Avoid direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

2-Propanol	OSHA PEL	PEL 400 ppm 980 mg/m ³ ; STEL value 500 ppm 1,225 mg/m ³ ; TWA value 400 ppm 980 mg/m ³ ;
	ACGIH TLV	STEL value 400 ppm ; TWA value 200 ppm ;
Acetone	OSHA PEL	PEL 1,000 ppm 2,400 mg/m ³ ; STEL value 1,000 ppm 2,400 mg/m ³ ; TWA value 750 ppm 1,800 mg/m ³ ;
	ACGIH TLV	TWA value 250 ppm ; STEL value 500 ppm ;
propane	OSHA PEL	PEL 1,000 ppm 1,800 mg/m ³ ; TWA value 1,000 ppm 1,800 mg/m ³ ;
	ACGIH TLV	; D: Simple asphyxiant, EX: Explosion hazard
Propane, 2-methyl-	ACGIH TLV	STEL value 1,000 ppm ; Explosion hazard.
Talc	ACGIH TLV	TWA value 2 mg/m ³ Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.

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Advice on system design:

Use only in well-ventilated areas.

Personal protective equipment**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate.

Hand protection:

nitrile rubber (Buna N), chloroprene rubber (Neoprene), Chemical resistant protective gloves (EN 374), 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. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

9. Physical and Chemical Properties

Form:	aerosol
Odour:	sweetish
Odour threshold:	No applicable information available.
Colour:	white
pH value:	not applicable
Freezing point:	not determined
Melting point:	not determined
Boiling range:	not determined
Boiling point:	not determined
Sublimation point:	No applicable information available.

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Flash point:	-18 °C
Flammability:	Extremely flammable.
Lower explosion limit:	not determined
Upper explosion limit:	not available
Autoignition:	not determined
Vapour pressure:	(20 °C) not determined
Density:	0.876 g/cm ³ (20 °C)
Relative density:	No data available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No data available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Solubility in water:	negligible
Miscibility with water:	immiscible
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No data available.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

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

Conditions to avoid

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

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Possible decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No applicable information available.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Causes serious eye irritation. Skin contact causes irritation.

Chronic Toxicity/Effects

Repeated dose toxicity

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

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12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Do not allow to enter drains or waterways. There are no test results available for this product.

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

Persistence and degradability

Assessment biodegradation and elimination (H2O)

No data available concerning biodegradation and elimination.

Bioaccumulative potential

Bioaccumulation potential

No data available.

Mobility in soil

Assessment transport between environmental compartments

No data available.

13. Disposal considerations

Waste disposal of substance:

Observe national and local legal requirements.

Container disposal:

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

Land transport

TDG

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1
Proper shipping name: AEROSOLS

Sea transport

IMDG

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1
Marine pollutant: NO
Proper shipping name: AEROSOLS

Air transport

IATA/ICAO

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1
Proper shipping name: AEROSOLS, FLAMMABLE

15. Regulatory Information

Federal Regulations**Registration status:**

Chemical DSL, CA released / exempt

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NFPA Hazard codes:

Health: 2

Fire: 4

Reactivity: 0

Special:

16. Other Information

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations

SDS Prepared on: 2020/08/27

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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