

Safety Data Sheet

200509927 Ardrox 9D1B, Aerosol (12 x 1)

Revision date : 08.01.2018

Version: 1.0

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(30691356/SDU_GEN_CA/EN)

1. Identification

Product identifier used on the label

200509927 Ardrox 9D1B, Aerosol (12 x 1)

Recommended use of the chemical and restriction on use

Recommended use*: Nondestructive Testing

* 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

Telephone: +1 905 791-1628

E-mail address: michael.l.chang@basf.com

Emergency telephone number

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

Other means of identification

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Aerosol containing a compressed gas
Colour	white
Odour	sweet
Hazard Summary	Flammable/Combustible! Harmful by inhalation and if swallowed. Causes irritation of eyes and skin.

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GHS Classification

- Flammable aerosols : Category 1
- Gases under pressure : Compressed gas
- Acute toxicity (Inhalation) : Category 3
- Eye irritation : Category 2A
- Carcinogenicity : Category 1A
- Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :



Signal word :

Danger

Hazard statements :

- Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
Toxic if inhaled.
May cause drowsiness or dizziness.
May cause cancer.

Precautionary statements :

Prevention:

- Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area. (THIS STATEMENT APPLIES TO THE CONCENTRATE ONLY, NOT WHEN DILUTED WITH WATER FOR USE).
Wear eye protection/ face protection.
Use personal protective equipment as required.

Response:

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.

Storage:

- Store in a well-ventilated place. Keep container tightly closed.

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Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : yes
Skin : yes
Ingestion : yes
Aggravated Medical Condition : None known.

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

Talc (Mg₃H₂(SiO₃)₄) 14807-96-6

ACGIH

Confirmed human carcinogen

Talc (Mg₃H₂(SiO₃)₄) 14807-96-6

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
2-Propanone	67-64-1	30 - 50
Propane	74-98-6	10 - 20
2-Propanol	67-63-0	10 - 20
Butane	106-97-8	5 - 10
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	5 - 10
Propane, 2-methyl-	75-28-5	5 - 10

Unidentified ingredients are considered not hazardous, or not required to be listed under Workplace Hazardous Material Information System (WHMIS).

SECTION 4. FIRST AID MEASURES

If inhaled : Remove to fresh air.
If symptoms persist, call a physician.
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Wash off immediately with plenty of water for at least 15

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- minutes.
Get medical attention if irritation develops and persists
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Seek medical advice.
- If swallowed : Rinse mouth.
Drink plenty of water.
Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Further information : Use water spray to cool unopened containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Remove all sources of ignition.
- Methods and materials for containment and cleaning up : Ventilate area.
Remove all heat and ignition sources.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use only with adequate ventilation.
Take precautionary measures against static discharges.
Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
- Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place
Keep away from open flames, hot surfaces and sources of ignition.
Keep container out of sun and away from heat.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
2-Propanone	67-64-1	TWA	500 ppm 1,200.000000 mg/m3	CA AB OEL		
		STEL	750 ppm 1,800.000000 mg/m3	CA AB OEL		
		TWA	250 ppm	CA BC OEL		
		STEL	500 ppm	CA BC OEL		
		STEV	1,000 ppm 2,380.000000 mg/m3	CA QC OEL		
		TWAEV	500 ppm 1,190.000000 mg/m3	CA QC OEL		
		TWA	250 ppm	ACGIH		
		STEL	500 ppm	ACGIH		
		Propane	74-98-6	TWA	1,000 ppm	CA AB OEL
				TWA	1,000 ppm	CA BC OEL
TWAEV	1,000 ppm 1,800.000000 mg/m3			CA QC OEL		
TWA	1,000 ppm			CA ON OEL		
2-Propanol	67-63-0	TWA	200 ppm 492.000000 mg/m3	CA AB OEL		
		STEL	400 ppm 984.000000 mg/m3	CA AB OEL		
		TWA	200 ppm	CA BC OEL		
		STEL	400 ppm	CA BC OEL		
		TWAEV	400 ppm 983.000000 mg/m3	CA QC OEL		
		STEV	500 ppm 1,230.000000 mg/m3	CA QC OEL		
		TWA	200 ppm	ACGIH		
		STEL	400 ppm	ACGIH		
		Butane	106-97-8	TWA	1,000 ppm	CA AB OEL
				TWA	600 ppm	CA BC OEL
STEL	750 ppm			CA BC OEL		
TWAEV	800 ppm 1,900.000000 mg/m3			CA QC OEL		
TWA	800 ppm			CA ON OEL		
STEL	1,000 ppm			ACGIH		
Talc (Mg3H2(SiO3)4)	14807-96-6	TWAEV (fibres)	1 fibre/cm3	CA QC OEL		

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		TWAEV (respirable dust)	3.000000 mg/m3	CA QC OEL
		TWA	0.1 fibre/cm3	CA BC OEL
		TWA (Respirable particulates)	2.000000 mg/m3	CA AB OEL
		TWA (Respirable)	2.000000 mg/m3	CA BC OEL
		TWA	2 fibre/cm3	CA ON OEL
		TWA (Respirable fraction)	2.000000 mg/m3	CA ON OEL
		TWA	0.1 fibre/cm3	ACGIH
		TWA (Respirable fraction)	2.000000 mg/m3	ACGIH
Propane, 2-methyl-	75-28-5	TWA	1,000 ppm	CA AB OEL
		TWA	1,000 ppm	CA BC OEL
		TWA	800 ppm	CA ON OEL
		STEL	1,000 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Propanone	67-64-1, 67-64-1	Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25.0000 mg/l	ACGIH BEI
2-Propanol	67-63-0, 67-63-0	Acetone	Urine	End of shift at end of workweek	40.0000 mg/l	ACGIH BEI

Engineering measures : MADE IN CANADA
Contains: 12 x 16 oz Aerosol Cans

Personal protective equipment

Respiratory protection : If occupational exposure limits are exceeded, proper control and protection measures should be implemented.

Hand protection
Remarks : Neoprene gloves

Eye protection : Chemical resistant goggles must be worn.

Skin and body protection : Rubber or plastic apron

Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the

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product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aerosol containing a compressed gas
Colour	: white
Odour	: sweet
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: GLP: No information available.
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: negligible
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks. Exposure to sunlight.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Carbon oxides

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

2-Propanone:

Acute oral toxicity : LD50 Mouse: 3,000.000000 mg/kg

LD50 Rat: 5,800.000000 mg/kg

LD50 Rabbit: 5,340.000000 mg/kg

Acute inhalation toxicity : LC50 Mouse: 44.000000 mg/l
Exposure time: 4 h

LC50 Rat: 50.100000 mg/l
Exposure time: 8 h

Acute dermal toxicity : LD50 Guinea pig: 9,400.000000 mg/kg

Propane:

Acute inhalation toxicity : LC50 Rat: 658.000000 mg/l
Exposure time: 4 h
Test atmosphere: gas

2-Propanol:

Acute oral toxicity : LD50 Mouse: 3,600.000000 mg/kg

LD50 Rat: 5,045.000000 mg/kg

LD50 Rabbit: 6,410.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: 16000 ppm
Exposure time: 8 h

Acute dermal toxicity : LD50 Rabbit: 12,800.000000 mg/kg

Butane:

Acute inhalation toxicity : LC50 Mouse: 1,237.000000 mg/l
Exposure time: 2 h
Test atmosphere: vapour

Acute toxicity (other routes of administration) : Humans:
Target Organs: Central nervous system

Talc (Mg₃H₂(SiO₃)₄):

Acute oral toxicity : LD50 Rat: 500.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: 0.500000 - 2.040000 mg/l

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Acute dermal toxicity : LD50 Rat: > 5,000.000000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Bioaccumulative potential

Product:

Partition coefficient: : Remarks: No data available
n-octanol/water

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

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SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

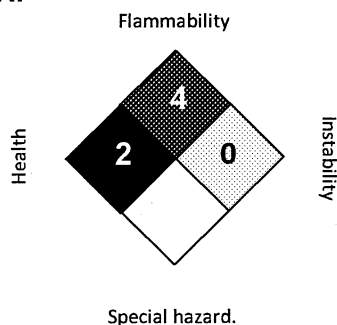
DSL Status : All components of this material comply with the CANADA Domestic Substances List (DSL) Inventory requirements.

Canadian lists

Canadian National Pollutant Release Inventory (NPRI)

2-Propanol 67-63-0
Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-, branched 68412-54-4

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Safety Glasses, Gloves, Vapour
Respirator

SECTION 16. OTHER INFORMATION

Further information

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Date of Last Revision 06/28/2017

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations

SDS Prepared on: 08.01.2018

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The content of this Safety Data Sheet (SDS) is based on an existing document from an acquired company with adaptations to Section I. The data is currently under validation.

END OF DATA SHEET

