

Safety Data Sheet

202394927 Ardrox 8901W, Aerosol (12 x 1)

Revision date : 08.01.2018
Version: 1.0

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(30687371/SDU_GEN_CA/EN)

1. Identification

Product identifier used on the label

202394927 Ardrox 8901W, 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	solvent-like
Hazard Summary	Extremely flammable. Also harmful by inhalation and if swallowed. Causes irritation of eyes and skin.

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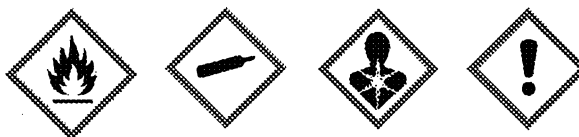
	drying, irritation and dermatitis. May cause cancer.
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GHS Classification

- Flammable aerosols : Category 1
- Gases under pressure : Compressed gas
- 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.
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 you feel unwell.
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. Store locked up.

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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

Group 2B: Possibly carcinogenic to humans

Benzene, ethyl- 100-41-4

ACGIH

Confirmed human carcinogen

Talc (Mg₃H₂(SiO₃)₄) 14807-96-6

Confirmed animal carcinogen with unknown relevance to humans

Distillates (petroleum), hydrotreated light 64742-47-8

Benzene, ethyl- 100-41-4

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
Ligroine	8032-32-4	10 - 20
Propane, 2-methyl-	75-28-5	5 - 10
Benzene, methyl-	108-88-3	5 - 10
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	1 - 5

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2-Butanone	78-93-3	1 - 5
2-Propanol, 1-methoxy-, acetate	108-65-6	1 - 5
Distillates (petroleum), hydrotreated light	64742-47-8	1 - 5
Benzene, dimethyl-	1330-20-7	1 - 5
Benzene, ethyl-	100-41-4	0.1 - 1

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 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.
Closed containers may explode when exposed to heat.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Remove all sources of ignition.
Evaporates.
- Methods and materials for containment and cleaning up : Ventilate area.
Remove all heat and ignition sources.
Clean up with inert absorbant material.

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Keep in suitable, closed containers for disposal.
Do not flush into surface water or sanitary sewer system.

Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
Use only with adequate ventilation.
Do not breathe vapours or spray mist.

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.
Do not store above 110F.

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
Ligroine	8032-32-4	TWA	300 ppm 1,400.000000 mg/m3	CA AB OEL

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		TWAEV	300 ppm 1,370.000000 mg/m3	CA QC OEL
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
Benzene, methyl-	108-88-3	TWA	50 ppm 188.000000 mg/m3	CA AB OEL
		TWA	20 ppm	CA BC OEL
		TWAEV	50 ppm 188.000000 mg/m3	CA QC OEL
		TWA	20 ppm	ACGIH
Talc (Mg3H2(SiO3)4)	14807-96-6	TWAEV (fibres)	1 fibre/cm3	CA QC OEL
		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
2-Butanone	78-93-3	TWA	200 ppm 590.000000 mg/m3	CA AB OEL
		STEL	300 ppm 885.000000 mg/m3	CA AB OEL
		TWA	50 ppm	CA BC OEL
		STEL	100 ppm	CA BC OEL
		TWAEV	50 ppm 150.000000 mg/m3	CA QC OEL
		STEV	100 ppm 300.000000 mg/m3	CA QC OEL
		TWA	200 ppm	ACGIH
		STEL	300 ppm	ACGIH
2-Propanol, 1-methoxy-, acetate	108-65-6	TWA	50 ppm	CA BC OEL
		STEL	75 ppm	CA BC OEL
		TWA	50 ppm 270.000000 mg/m3	CA ON OEL

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Distillates (petroleum), hydrotreated light	64742-47-8	TWA	200.000000 mg/m3 (As total hydrocarbon vapour)	CA BC OEL
		TWA	200.000000 mg/m3 (As total hydrocarbon vapour)	CA AB OEL
		TWA (Mist)	5.000000 mg/m3	CA AB OEL
		STEL (Mist)	10.000000 mg/m3	CA AB OEL
		TWAEV (Mist)	5.000000 mg/m3	CA QC OEL
		STEV (Mist)	10.000000 mg/m3	CA QC OEL
		TWA	525.000000 mg/m3	CA ON OEL
		TWA	200.000000 mg/m3 (total hydrocarbon vapor)	CA BC OEL
		TWA	200.000000 mg/m3 (total hydrocarbon vapor)	CA AB OEL
		TWA	200.000000 mg/m3 (total hydrocarbon vapor)	ACGIH
Benzene, dimethyl-	1330-20-7	STEL	150 ppm 651.000000 mg/m3	CA AB OEL
		TWA	100 ppm 434.000000 mg/m3	CA AB OEL
		TWAEV	100 ppm 434.000000 mg/m3	CA QC OEL
		STEV	150 ppm 651.000000 mg/m3	CA QC OEL
		TWA	100 ppm	CA BC OEL
		STEL	150 ppm	CA BC OEL
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
Benzene, ethyl-	100-41-4	TWA	100 ppm 434.000000 mg/m3	CA AB OEL
		STEL	125 ppm 543.000000 mg/m3	CA AB OEL
		TWA	20 ppm	CA BC OEL
		STEV	125 ppm 543.000000 mg/m3	CA QC OEL

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		TWAEV	100 ppm 434.000000 mg/m3	CA QC OEL
		TWA	20 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
Benzene, methyl-	108-88-3, 108-88-3	Toluene	In blood	Prior to last shift of workweek	0.0200 mg/l	ACGIH BEI
		Toluene	Urine	End of shift (As soon as possible after exposure ceases)	0.0300 mg/l	ACGIH BEI
		o-Cresol	Urine	End of shift (As soon as possible after exposure ceases)	0.3 mg/g Creatinine	ACGIH BEI
2-Butanone	78-93-3, 78-93-3	methyl ethyl ketone	Urine	End of shift (As soon as possible after exposure ceases)	2.0000 mg/l	ACGIH BEI
Benzene, dimethyl-	1330-20-7, 1330-20-7	Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
Benzene, ethyl-	100-41-4, 100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

Engineering measures : MADE IN CANADA

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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	: Impervious gloves
Eye protection	: Safety glasses with side-shields
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 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	: solvent-like
pH	: Not applicable
Freezing point	: Not applicable
Boiling point/boiling range	: 57 °C
Flash point	: -18 °C
Evaporation rate	: (Butyl Acetate = 1): Greater than 1.
Upper explosion limit	: 12.80 %(V)
Lower explosion limit	: 2.60 %(V)
Vapour pressure	: No data available
Relative density	: 1
Bulk density	: 8.4 lb/gal
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 465 °C
Thermal decomposition	: No data available

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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
Hydrocarbons

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

Ligroine:

Acute oral toxicity : LD50 Rat: > 2,000.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: > 25.300000 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Rabbit: > 3,350.000000 mg/kg

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Benzene, methyl-:

Acute oral toxicity : LD50 Rat: 636.000000 mg/kg

Acute inhalation toxicity : LC50 Mouse: 30.000000 mg/l
Exposure time: 2 h

LC50 Rat: 49.000000 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Rabbit: 14,100.000000 mg/kg

Talc (Mg3H2(SiO3)4):

Acute oral toxicity : LD50 Rat: 500.000000 mg/kg

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

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

2-Butanone:

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

LD50 Rat: 2,737.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: 23500 mg/m3
Exposure time: 8 h

LC50 Mouse: 32 gm/m3
Exposure time: 4 h

Acute dermal toxicity : LD50 Rabbit: 6,480.000000 mg/kg

2-Propanol, 1-methoxy-, acetate:

Acute oral toxicity : LD50 Rat, male and female: > 5,000.000000 mg/kg

Acute dermal toxicity : LD50 Rat: > 2,000.000000 mg/kg

Distillates (petroleum), hydrotreated light:

Acute oral toxicity : LD50 Rat: 5,000.000000 mg/kg

Benzene, dimethyl-:

Acute oral toxicity : LD50 Mouse: 2,119.000000 mg/kg

LD50 Rat: 4,300.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: 5000 ppm
Exposure time: 4 h

Acute dermal toxicity : LD50 Rabbit: > 1,700.000000 mg/kg

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Benzene, ethyl-:

Acute oral toxicity : LD50 Rat: 3,500.000000 mg/kg

Acute inhalation toxicity : Humans: Symptoms: Fatigue

Acute dermal toxicity : LD50 Rabbit: 17,800.000000 mg/kg

Skin corrosion/irritation

Components:

Distillates (petroleum), hydrotreated light:

Result: Mild skin irritation

Serious eye damage/eye irritation

Components:

Distillates (petroleum), hydrotreated light:

Result: Mild eye irritation

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

Components:

2-Butanone :

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Partition coefficient: : log Pow: 0.29
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.

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)

Benzene, methyl-	108-88-3
2-Butanone	78-93-3
Benzene, dimethyl-	1330-20-7
Benzene, ethyl-	100-41-4

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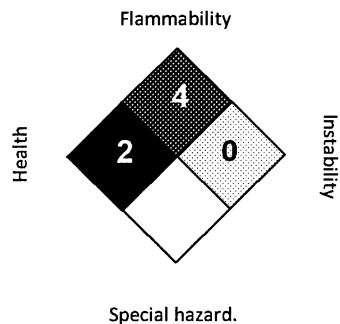
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NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0

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

Splash Goggles, Gloves, Apron, Vapour
Respirator

SECTION 16. OTHER INFORMATION

Further information

Version 1.3

Revision Date 01/06/2018

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