

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 1/14

(30687368/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

Ardrox 9PR50, 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: 864506

Chemical family: organic

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27
Version: 2.0

Page: 2/14
(30687368/SDS_GEN_CA/EN)

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
Repr.	2 (fertility)	Reproductive toxicity
Repr.	2 (unborn child)	Reproductive toxicity
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic
Flam. Aerosol	1	Flammable aerosols

Label elements

Pictogram:



Signal Word:
Danger

Hazard Statement:

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 3/14

(30687368/SDS_GEN_CA/EN)

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H222	Extremely flammable aerosol.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs () through prolonged or repeated exposure.
H229	Pressurized container: May burst if heated.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P281	Use personal protective equipment as required.
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.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

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.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27
Version: 2.0

Page: 4/14
(30687368/SDS_GEN_CA/EN)

Precautionary Statements (Storage):
P405 Store locked up.

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.

3. Composition / Information on Ingredients

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

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

octane

CAS Number: 111-65-9
Content (W/W): ≥ 5.0 - $< 7.0\%$
Synonym: n-Octan

heptane

CAS Number: 142-82-5
Content (W/W): ≥ 5.0 - $< 7.0\%$
Synonym: n-Heptane; Heptane

solvent naphtha (petroleum), light aliph.

CAS Number: 64742-89-8
Content (W/W): ≥ 50.0 - $< 75.0\%$
Synonym: No data available.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 5/14

(30687368/SDS_GEN_CA/EN)

4. First-Aid Measures

Description of first aid measures

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: propane

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

Information on: octane

Symptoms: Overexposure may cause:, aspiration pneumonia, stupor, headache, dizziness

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 6/14

(30687368/SDS_GEN_CA/EN)

Information on: heptane

Symptoms: Overexposure may cause:; unconsciousness, aspiration pneumonia, coordination disorder, loss of appetite, dizziness, stupor, nausea

Information on: solvent naphtha (petroleum), light aliph.

Symptoms: Overexposure may cause:; nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Ingestion may provoke the following symptoms:; asphyxia, dyspnea, choking, respiratory arrest, circulatory collapse, death

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.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27
Version: 2.0

Page: 7/14
(30687368/SDS_GEN_CA/EN)

Further information:

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

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.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27
Version: 2.0

Page: 8/14
(30687368/SDS_GEN_CA/EN)

Conditions for safe storage, including any incompatibilities

No applicable information available.

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

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.
octane	OSHA PEL	PEL 500 ppm 2,350 mg/m ³ ;
	ACGIH TLV	TWA value 300 ppm ;
heptane	OSHA PEL	PEL 500 ppm 2,000 mg/m ³ ; STEL value 500 ppm 2,000 mg/m ³ ; TWA value 400 ppm 1,600 mg/m ³ ;
	ACGIH TLV	TWA value 400 ppm ; STEL value 500 ppm ;
solvent naphtha (petroleum), light aliph.	OSHA PEL	PEL 100 ppm 400 mg/m ³ ; TWA value 100 ppm 400 mg/m ³ ;

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 9/14

(30687368/SDS_GEN_CA/EN)

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:	of hydrocarbons
Odour threshold:	No applicable information available.
Colour:	colourless
pH value:	not applicable
Freezing point:	14 °C
Melting point:	14 °C
Boiling range:	not determined
Boiling point:	not determined
Sublimation point:	No applicable information available.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 10/14

(30687368/SDS_GEN_CA/EN)

Flash point:	14 °C
Flammability:	Extremely flammable.
Lower explosion limit:	not available
Upper explosion limit:	not available
Vapour pressure:	(20 °C) not determined
Density:	0.738 g/cm ³ (20 °C)
Relative density:	No applicable information 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:	fully soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No applicable information 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

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

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 11/14

(30687368/SDS_GEN_CA/EN)

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: Repeated exposure may affect certain organs.

Reproductive toxicity

Assessment of reproduction toxicity: Possible risk of impaired fertility.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27
Version: 2.0

Page: 12/14
(30687368/SDS_GEN_CA/EN)

Teratogenicity

Assessment of teratogenicity: Possible risk of harm to the unborn child.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Do not allow to enter drains or waterways. There are no test results available for this product.

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.

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 13/14

(30687368/SDS_GEN_CA/EN)

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 / listed

Safety Data Sheet

Ardrox 9PR50, Aerosol NA

Revision date : 2020/08/27

Version: 2.0

Page: 14/14

(30687368/SDS_GEN_CA/EN)

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.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET