

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29
Version: 3.1

Page: 1/10
(30690990/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Ardrox AV100D

Recommended use of the chemical and restriction on use

Recommended use*: corrosion inhibitor

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 U.S., Inc.
675 Central Avenue
New Providence, NJ 07974 – USA
+1 800 526-4473
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

Chemical family: organic solvents

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Flam. Liq.	3	Flammable liquids

Label elements

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29
Version: 3.1

Page: 2/10
(30690990/SDS_GEN_US/EN)

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P240	Ground and bond container and receiving equipment.
P233	Keep container tightly closed.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.

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.
P337 + P313	If eye irritation persists: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313	If skin irritation occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29

Version: 3.1

Page: 3/10

(30690990/SDS_GEN_US/EN)

Limestone

CAS Number: 1317-65-3

Content (W/W): ≥ 10.0 - $< 15.0\%$

Synonym: No data available.

Ethanol, 2,2'-(9-octadecenylimino)bis-

CAS Number: 25307-17-9

Content (W/W): ≥ 1.0 - $< 3.0\%$

Synonym: No data available.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, $< 2\%$ aromatics

CAS Number: 64742-48-9

Content (W/W): ≥ 10.0 - $< 15.0\%$

Synonym: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, $< 2\%$ aromatics

Naptha (Petroleum), hydrotreated heavy

CAS Number: 64742-48-9

Content (W/W): ≥ 3.0 - $< 5.0\%$

Synonym: No data available.

Distillates (petroleum), solvent-dewaxed heavy paraffinic

CAS Number: 64742-65-0

Content (W/W): ≥ 7.0 - $< 10.0\%$

Synonym: H304

barium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesul

CAS Number: 25619-56-1

Content (W/W): ≥ 1.0 - $< 3.0\%$

Synonym: No data available.

Hydrocarbons, C9-C11, cyclics, $< 2\%$ aromatics

CAS Number: 64742-48-9

Content (W/W): ≥ 3.0 - $< 5.0\%$

Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

If on skin:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29

Page: 4/10

Version: 3.1

(30690990/SDS_GEN_US/EN)

If in eyes:

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

If swallowed:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Eye irritation, skin irritation, 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: Naphtha (petroleum), hydrotreated heavy

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

Indication of any immediate medical attention and special treatment needed

Note to physician

Antidote: No known specific antidote.

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon oxides, nitrogen oxides

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Advice for fire-fighters

Protective equipment for fire-fighting:

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.

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29

Version: 3.1

Page: 5/10

(30690990/SDS_GEN_US/EN)

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

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 and material for containment and cleaning 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

Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Conditions for safe storage, including any incompatibilities

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep away from heat. Protect from frost.

Storage stability:

Storage temperature: 5 - 35 °C

Storage duration: 36 Months

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29
Version: 3.1

Page: 6/10
(30690990/SDS_GEN_US/EN)

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Limestone	OSHA Z1:	PEL 5 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
	OSHA Z1A:	TWA value 5 mg/m3 Respirable fraction ;
	OSHA Z1A:	TWA value 15 mg/m3 Total dust ;
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH, US:	TWA value 5 mg/m3 Inhalable fraction ;
	OSHA Z1:	PEL 500 ppm 2,000 mg/m3 ;
	OSHA Z1:	PEL 5 mg/m3 Mist ;
	OSHA Z1A:	TWA value 5 mg/m3 Mist ;

Personal protective equipment

Respiratory protection:

Respiratory protection required if exposure limit (if available) may be exceeded

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1), nitrile rubber (NBR) - 0.4 mm coating thickness, 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. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. 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
Odour:	No data available.
Odour threshold:	No applicable information available.
Colour:	beige
pH value:	substance/mixture is non-soluble (in water)
Melting point:	not determined
Freezing point:	not determined
onset of boiling:	150 °C
Boiling range:	150 - 200 °C
Sublimation point:	No applicable information available.
Flash point:	47 °C

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29
Version: 3.1

Page: 7/10
(30690990/SDS_GEN_US/EN)

Flammability:	Flammable liquid and vapour.
Lower explosion limit:	not determined
Upper explosion limit:	No applicable information available.
Autoignition:	not determined
Vapour pressure:	(20 °C) not determined
Density:	0.990 g/cm ³ (DIN 51757) (20 °C)
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Solubility in water:	insoluble
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 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

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight.

Incompatible materials

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous decomposition products

Decomposition products:

Possible decomposition products: 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

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.

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29
Version: 3.1

Page: 8/10
(30690990/SDS_GEN_US/EN)

Acute Toxicity/Effects

Irritation / corrosion

Assessment of irritating effects: Contact may result in skin irritation. Causes serious eye irritation.

Chronic Toxicity/Effects

Repeated dose toxicity

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

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Toxic to aquatic life. Harmful 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. No disposal via sewage or waste water systems.

Container disposal:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

USDOT

Hazard class:	3
Packing group:	III
ID number:	UN 1139
Hazard label:	3
Proper shipping name:	COATING SOLUTION

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29

Version: 3.1

Page: 9/10

(30690990/SDS_GEN_US/EN)

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1139
Hazard label: 3
Marine pollutant: NO
Proper shipping name: COATING SOLUTION

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1139
Hazard label: 3
Proper shipping name: COATING SOLUTION

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

CAS Number

25619-56-1

Chemical name

barium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesul

CERCLA RQ

1000 LBS

CAS Number

25619-56-1

Chemical name

barium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesul

State regulations

State RTK

NJ

CAS Number

1317-65-3

Chemical name

Limestone

25619-56-1

barium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesul

PA

1317-65-3

Limestone

8006-54-0

lanolin

25619-56-1

barium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesul

64742-48-9

Hydrocarbons, C9-C11, cyclics, < 2% aromatics
Distillates (petroleum), solvent-dewaxed heavy paraffinic

64742-65-0

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Safety Data Sheet

Ardrox AV100D

Revision date : 2021/04/29

Version: 3.1

Page: 10/10

(30690990/SDS_GEN_US/EN)

NFPA Hazard codes:

Health: 2 Fire: 2 Reactivity: 1 Special:

HMIS III rating

Health: 2 Flammability: 2 Physical hazard: 1

16. Other Information

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations

SDS Prepared on: 2021/04/29

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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