

Safety Data Sheet

Ardrox® AV 15

Revision date : 2020/06/08

Version: 3.0

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(30690977/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Ardrox® AV 15

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:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: organic

2. Hazards Identification

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

Classification of the product

STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Flam. Liq.	3	Flammable liquids
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation

Label elements

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Pictogram:



Signal Word:

Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P240	Ground and bond container and receiving equipment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
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.
P233	Keep container tightly closed.

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.
P370 + P378	In case of fire: Use water spray for extinction.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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

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1-ethoxypropan-2-ol

CAS Number: 1569-02-4
Content (W/W): $\geq 3.0 - < 5.0\%$
Synonym: No data available.

Cyclohexanone

CAS Number: 108-94-1
Content (W/W): $\geq 0.3 - < 1.0\%$
Synonym: No data available.

Calcium bis(dinonylnaphthalenesulphonate)

CAS Number: 57855-77-3
Content (W/W): $\geq 3.0 - < 5.0\%$
Synonym: No data available.

Naphtha (petroleum), hydrotreated heavy

CAS Number: 64742-48-9
Content (W/W): $\geq 25.0 - < 50.0\%$
Synonym: H226-304-335-336-411, Nota P

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: Cyclohexanone

Symptoms: Overexposure may cause:, unconsciousness, headache

Indication of any immediate medical attention and special treatment needed

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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, sulfur oxides

Advice for fire-fighters

Protective equipment for fire-fighting:

Appropriate breathing apparatus may be required.

Further information:

Cool endangered containers with water-spray. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

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

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). 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. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

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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. Use explosion-proof equipment.

Conditions for safe storage, including any incompatibilities

No applicable information available.

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

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight. Keep away from heat.

Storage stability:

Storage temperature: -20.00 - 40.00 °C

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:

Use only in well-ventilated areas.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Hand protection:

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:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Do not breathe vapour/spray. Avoid contact with the skin, eyes and clothing. 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.

9. Physical and Chemical Properties

Form:	liquid
Odour:	No data available.
Odour threshold:	No applicable information available.
Colour:	light brown
pH value:	No applicable information available.

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Melting point:	not determined
Freezing point:	not determined
Boiling range:	not determined
Boiling point:	155.00 °C
Sublimation point:	No applicable information available.
Flash point:	40 °C
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
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	43 mPa.s
Viscosity, kinematic:	6.0 mm ² /s (20 °C)
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

Vapours may form explosive mixture with air.

Conditions to avoid

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

Incompatible materials

strong bases, strong acids, 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.

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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: Irritating to eyes.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No applicable information available.

Other Information

Has a degreasing effect on skin.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

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

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.

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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

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

Naphthalenesulfonic acid, dinonyl-, barium salt (2:1)

State regulations

State RTK

NJ

CAS Number

64742-48-9

Chemical name

Naphtha (petroleum), hydrotreated heavy

PA

25619-56-1

Naphthalenesulfonic acid, dinonyl-, barium salt (2:1)

8006-54-0

lanolin

85507-79-5

diundecyl phthalate, branched and linear

64742-48-9

Naphtha (petroleum), hydrotreated heavy

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25619-56-1

Naphthalenesulfonic acid, dinonyl-, barium salt (2:1)

NFPA Hazard codes:

Health: 2 Fire: 3 Reactivity: 1 Special:

HMIS III rating

Health: 2 Flammability: 3 Physical hazard: 1

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2020/06/08

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