

Safety Data Sheet

Ardrox AV30

Revision date : 2023/01/07
Version: 4.0

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(30690983/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Ardrox AV30

Recommended use of the chemical and restriction on use

Recommended use*: Treatment of metal surfaces.
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
CHEMTREC: 800-424-9300, +1-703-527-3887

Other means of identification

Chemical family: organic compounds, polymers, organic solvent

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
STOT RE	1	Specific target organ toxicity — repeated

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Aquatic Acute	2	exposure
Aquatic Chronic	3	Hazardous to the aquatic environment - acute
Flam. Liq.	3	Hazardous to the aquatic environment - chronic
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Flammable liquids
		Specific target organ toxicity — single exposure

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P270	Do not eat, drink or smoke when using this product.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.
P260	Do not breathe the mist or vapour or spray.

Precautionary Statements (Response):

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P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 + 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.

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

Naphtha (petroleum), hydrotreated heavy
CAS Number: 64742-48-9
Content (W/W): ≥ 20.0 - $< 30.0\%$
Synonym: No data available.

Calcium bis(dinonylnaphthalenesulphonate)
CAS Number: 57855-77-3
Content (W/W): ≥ 10.0 - $< 15.0\%$
Synonym: No data available.

Distillates (petroleum), hydro- treated light; Kerosine
CAS Number: 64742-47-8
Content (W/W): ≥ 7.0 - $< 10.0\%$
Synonym: No data available.

Distillates (petroleum), hydrotreated heavy paraffinic
CAS Number: 64742-54-7
Content (W/W): ≥ 3.0 - $< 5.0\%$
Synonym: No data available.

Naphtha (petroleum), hydrodesulfurized heavy
CAS Number: 64742-82-1
Content (W/W): ≥ 3.0 - $< 5.0\%$

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Synonym: No data available.

Distillates (petroleum), hydrotreated middle

CAS Number: 64742-46-7

Content (W/W): ≥ 3.0 - $< 5.0\%$

Synonym: Distillates, petroleum, hydrotreated middle

Polyethylene

CAS Number: 9002-88-4

Content (W/W): ≥ 3.0 - $< 5.0\%$

Synonym: No data available.

1-butoxypropan-2-ol

CAS Number: 5131-66-8

Content (W/W): ≥ 1.0 - $< 3.0\%$

Synonym: 1-Butoxy-2-propanol

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

CAS Number: 25307-17-9

Content (W/W): ≥ 0.3 - $< 1.0\%$

Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

General advice:

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.

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: 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.

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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

Information on: Calcium bis(dinonylnaphthalenesulphonate)

Symptoms: Overexposure may cause:., Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

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:

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. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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

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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), Polyethyleneterephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. 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. Store protected against freezing.

Storage stability:

Storage temperature: 4 - 38 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH, US:	TWA value 5 mg/m ³ Inhalable fraction ;
	OSHA Z1:	PEL 5 mg/m ³ Mist ;
Polyethylene	OSHA Z1:	PEL 5 mg/m ³ Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;

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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, 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:	light brown	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
Freezing point:	not determined	
Boiling range:	not determined	
onset of boiling:	155 °C	(calculated)
Sublimation point:	No applicable information available.	
Flash point:	> 46 °C	(ISO 3679)
Flammability:	Flammable liquid and vapour.	
Lower explosion limit:	not determined	
Upper explosion limit:	No applicable information available.	
Vapour pressure:	(20 °C) not determined	
Density:	0.900 g/cm ³ (20 °C)	
Relative density:	No applicable information available.	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	Heavier than air. not applicable for mixtures	

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	6.0 mm ² /s (20 °C)
Solubility in water:	practically 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 ignitable mixture with air.

Conditions to avoid

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

Incompatible materials

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

Hazardous decomposition products

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.

Thermal decomposition:

No decomposition 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.

Acute Toxicity/Effects

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Acute toxicity

Assessment of acute toxicity: Based on available data, the classification criteria are not met.

Oral

Type of value: ATE

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Inhalation

Type of value: ATE

Value: > 20 mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

Dermal

Type of value: ATE

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: Calcium bis(dinonylnaphthalenesulphonate)

Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.

Sensitization

Assessment of sensitization: Based on available data, the classification criteria are not met.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.

Genetic toxicity

Assessment of mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: Based on available data, the classification criteria are not met.

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Information on: Ethanol, 2,2'-(9-octadecenylimino)bis-

Assessment of teratogenicity: The results of animal studies gave indication of a developmental toxic effects. As the significance of these findings for human health is not clear at this time, further tests are being initiated. The results were determined in a Screening test (OECD 421/422). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

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

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:

Do not discharge into drains/surface waters/groundwater. 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.

14. Transport Information

Land transport

USDOT

Hazard class: 3

Packing group: III

ID number: UN 1139

Hazard label: 3

Proper shipping name: COATING SOLUTION

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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

Further information

Not dangerous goods of class 3 because the product has flash point > 35°C and does not sustain combustion.

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / exempt

This product contains at least one polymer component which is exempted according to the polymer exemption rule under TSCA and 40 CFR 723.250.

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

CERCLA RQ

100 LBS

CAS Number

64742-47-8;
64742-48-9;
64742-82-1

Chemical name

Distillates (petroleum), hydro- treated light; Kerosine;
Naphtha (petroleum), hydrotreated heavy; Naphtha
(petroleum), hydrodesulfurized heavy

State regulations

State RTK

NJ

CAS Number

64742-48-9
64742-47-8
64742-54-7
64742-82-1

Chemical name

Naphtha (petroleum), hydrotreated heavy
Distillates (petroleum), hydro- treated light; Kerosine
Distillates (petroleum), hydrotreated heavy paraffinic
Naphtha (petroleum), hydrodesulfurized heavy
lanolin
Distillates (petroleum), hydro- treated light; Kerosine
Naphtha (petroleum), hydrotreated heavy
Distillates (petroleum), hydrotreated heavy paraffinic
Naphtha (petroleum), hydrodesulfurized heavy

PA

8006-54-0

NFPA Hazard codes:

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Health: 2 Fire: 2 Reactivity: 1 Special:

HMIS III rating

Health: 2^a Flammability: 2 Physical hazard: 1

16. Other Information

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations

SDS Prepared on: 2023/01/07

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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