

# Safety Data Sheet

## Ardrox 3968

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(30690249/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Ardrox 3968

#### 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

Substance number: 863022

Chemical family: organic

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### 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
Asp. Tox.	1	Aspiration hazard
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic
Flam. Liq.	4	Flammable liquids

#### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

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P273	Avoid release to the environment.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

#### Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (see on this label).
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P332 + P313	If skin irritation occurs: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.
P391	Collect spillage.

#### Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

#### 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.

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### 3. Composition / Information on Ingredients

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

Distillates (Petroleum), hydrotreated light Kerosine-unspecified  
CAS Number: 64742-47-8  
Content (W/W):  $\geq 25.0$  -  $< 50.0\%$   
Synonym: No data available.

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified  
CAS Number: 64742-52-5  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: No data available.

Distillates (petroleum), hydrotreated light naphthenic  
CAS Number: 64742-53-6  
Content (W/W):  $\geq 15.0$  -  $< 20.0\%$   
Synonym: No data available.

Naphtha (petroleum), hydrotreated heavy  
CAS Number: 64742-48-9  
Content (W/W):  $\geq 25.0$  -  $< 50.0\%$   
Synonym: H226-304-315-336-411

Sorbitan monooleate  
CAS Number: 1338-43-8  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: No data available.

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### 4. First-Aid Measures

**Description of first aid measures**

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#### General advice:

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing.

#### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. 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:

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: Distillates (Petroleum), hydrotreated light Kerosine-unspecified*

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

*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

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### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

#### 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.

### 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.

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## 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

Pick up with inert absorbent material (e.g. sand, earth etc.). Pack in tightly closed containers for disposal. Rinse with plenty of water.

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## 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.

### 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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (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. Protect from frost.

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

Distillates (Petroleum), hydrotreated light Kerosine-unspecified	ACGIH TLV	TWA value 200 mg/m <sup>3</sup> Non-aerosol (total hydrocarbon vapor); Application restricted to conditions in which there are negligible aerosol exposures. Skin Designation Non-aerosol (total hydrocarbon vapor); Danger of cutaneous absorption
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Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified	OSHA PEL ACGIH TLV	PEL 5 mg/m3 Mist ; PEL 500 ppm 2,000 mg/m3 ; TWA value 5 mg/m3 Mist ; TWA value 5 mg/m3 Inhalable fraction ; ; Exposure by all routes should be carefully controlled to levels as low as possible. ; Included in the regulation, but with no data values - See the regulation for further details
Distillates (petroleum), hydrotreated light naphthenic	OSHA PEL ACGIH TLV	PEL 5 mg/m3 Mist ; PEL 500 ppm 2,000 mg/m3 ; TWA value 5 mg/m3 Mist ; TWA value 5 mg/m3 Inhalable fraction ; ; Exposure by all routes should be carefully controlled to levels as low as possible. ; Included in the regulation, but with no data values - See the regulation for further details

**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), Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions., 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)



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**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. Do not breathe vapour/spray. Avoid contact with the skin, eyes and clothing. Eye wash fountains and safety showers must be easily accessible. 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:	yellow
pH value:	not applicable
Freezing point:	not determined
Melting point:	not determined
Boiling range:	not determined
onset of boiling:	not determined
Sublimation point:	No applicable information available.
Flash point:	61 °C
Flammability:	Combustible liquid.
Lower explosion limit:	not determined
Upper explosion limit:	No applicable information available.
Autoignition:	not determined
Vapour pressure:	( 20 °C) not determined
Density:	0.817 g/cm <sup>3</sup> ( 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.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	6.0 mm <sup>2</sup> /s ( 20 °C)

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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.

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## 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 direct sunlight.

### 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.

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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

##### Oral

No applicable information available.

##### Inhalation

No applicable information available.

##### Dermal

No applicable information available.

##### Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

##### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation.

##### Aspiration Hazard

May also damage the lung at swallowing (aspiration hazard).

#### Chronic Toxicity/Effects

##### Repeated dose toxicity

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

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### 12. Ecological Information

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#### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Toxic to aquatic life with long lasting effects. 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.

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### 13. Disposal considerations

**Waste disposal of substance:**

Observe national and local legal requirements.

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### 14. Transport Information

**Land transport**

USDOT

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHSM

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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N.O.S. (contains KEROSENE (PETROLEUM))

**Sea transport**

## IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains KEROSENE (PETROLEUM))

**Air transport**

## IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains KEROSENE (PETROLEUM))

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## 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.

**State regulations****State RTK****CAS Number****Chemical name**

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NJ	64742-47-8	Distillates (Petroleum), hydrotreated light Kerosine- unspecified
	64742-52-5	
	64742-53-6	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified
	64742-48-9	Distillates (petroleum), hydrotreated light naphthenic Naphtha (petroleum), hydrotreated heavy
PA	64742-47-8	Distillates (Petroleum), hydrotreated light Kerosine- unspecified
	64742-52-5	
	64742-53-6	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified
	64742-48-9	Distillates (petroleum), hydrotreated light naphthenic Naphtha (petroleum), hydrotreated heavy

**NFPA Hazard codes:**

Health: 2      Fire: 2      Reactivity: 1      Special:

**HMIS III rating**

Health: 2      Flammability: 2      Physical hazard: 1

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## 16. Other Information

**SDS Prepared by:**

Chemetall (now part of BASF Group) NA Product Regulations  
SDS Prepared on: 2020/08/21

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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IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED  
HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS

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