

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



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## ARDROX 9812 (5 GLA)

Version	Revision Date:	SDS Number:	Date of last issue: 05.12.2023
1.1	02.03.2025	0000000000508394	Date of first issue: 05.12.2023
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### SECTION 1. IDENTIFICATION

Product name : ARDROX 9812 (5 GLA)  
Product code : 000000000050839420

#### Manufacturer or supplier's details

##### Company:

Chemetall U.S., Inc.  
675 Central Avenue  
New Providence, NJ 07974 – USA  
+1 800 526-4473  
sds.na-chemetall@basf.com

Emergency telephone : CHEMTREC: 800-424-9300, +1-703-527-3887

#### Recommended use of the chemical and restrictions on use

Recommended use : Nondestructive Testing  
Restrictions on use : Uses other than recommended

### 2. Hazards Identification

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

#### Classification of the product

Asp. Tox.	1	Aspiration hazard
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic

#### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
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Precautionary Statements (Response):

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P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or physician.  
P331 Do NOT induce vomiting.

Precautionary Statements (Storage):  
P405 Store locked up.

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

Distillates (petroleum), hydrotreated light naphthenic  
CAS Number: 64742-53-6  
Content (W/W):  $\geq 25.0$  -  $< 50.0\%$   
Synonym: No data available.

Hydrocarbons, C13-C16,  $< 0.03\%$  aromatics  
CAS Number: 64742-46-7  
Content (W/W):  $\geq 20.0$  -  $< 25.0\%$   
Synonym: No data available.

2H-1-Benzopyran-2-one, 7-(diethylamino)-4-methyl-  
CAS Number: 91-44-1  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: No data available.

1H-Imidazole-1-ethanol, 2-(heptadecenyl)-4,5-dihydro-  
CAS Number: 27136-73-8  
Content (W/W):  $\geq 0.1$  -  $< 0.2\%$   
Synonym: No data available.

## 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. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### 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:

If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

### If swallowed:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

### Most important symptoms and effects, both acute and delayed

Symptoms: aspiration pneumonia, 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: 1H-Imidazole-1-ethanol, 2-(heptadecenyl)-4,5-dihydro-*

*Symptoms: Overexposure may cause: corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

Hazards: If swallowed, in the event of vomiting, risk of product entering the lungs. When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

### 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

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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

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

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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. The relevant fire protection measures should be noted.

### Conditions for safe storage, including any incompatibilities

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

Suitable materials for containers: Aluminium, glass, Stainless steel 1.4301 (V2), 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.

Storage stability:

Storage temperature: 10 - 40 °C

Storage duration: 60 Months

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

Distillates (petroleum), hydrotreated light naphthenic	ACGIH, US:	TWA value 5 mg/m <sup>3</sup> Inhalable fraction ;
	OSHA Z1:	PEL 5 mg/m <sup>3</sup> Mist ;
	OSHA Z1:	PEL 500 ppm 2,000 mg/m <sup>3</sup> ;

### Personal protective equipment

#### **Respiratory protection:**

In situations where splashes or fine aerosols may form use appropriate certified respirators. 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).

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### 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 applicable information available.	
Odour threshold:	No applicable information available.	
Colour:	yellow	
pH value:	substance/mixture is non-soluble (in water)	
Melting point:	not determined	
Freezing point:	not determined	
onset of boiling:	not determined	
Boiling range:	not determined	
Sublimation point:	No applicable information available.	
Flash point:	> 93 °C	(ISO 3679)
Flammability:	hardly combustible	
Lower explosion limit:	not determined	
Upper explosion limit:	No applicable information available.	
Autoignition:	not determined	
Vapour pressure:	( 20 °C) not determined	
Density:	0.900 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:	11.0 mm <sup>2</sup> /s ( 20 °C)	
Solubility in water:	insoluble	
Miscibility with water:	immiscible	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	

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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 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 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

#### Acute toxicity

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

#### Assessment other acute effects

Assessment of STOT single:

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Based on available data, the classification criteria are not met.

### Irritation / corrosion

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

### Sensitization

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

### 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.

### 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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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful 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.



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### 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

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

## 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

NJ

PA

#### CAS Number

64742-46-7

68515-49-1

64742-53-6

64742-46-7

#### Chemical name

Hydrocarbons, C13-C16, < 0,03% aromatics

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich

Distillates (petroleum), hydrotreated light naphthenic

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Hydrocarbons, C13-C16, < 0,03% aromatics

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

**WARNING:** This product can expose you to chemicals including DI-ISODECYL PHTHALATE (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### NFPA Hazard codes:

Health: 2      Fire: 1      Reactivity: 1      Special:

### HMIS III rating

Health: 2      Flammability: 1      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: 02.03.2025

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.