

# Safety Data Sheet

## Ardrox AV 30

Revision date : 2018/01/18  
Version: 1.2

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(30690125/SDU\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**Ardrox AV 30**

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

Recommended use\*: corrosion inhibitor; Detergents

\* 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

Telephone: +1 800 526-4473  
E-mail address: michael.chang@chemetall.com

#### Emergency telephone number

Telephone: 800-424-9300, 1-703-527-3887

#### Other means of identification

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### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	liquid
Colour	light brown
Odour	hydrocarbon-like
Hazard Summary	Flammable/Combustible! Harmful by inhalation and if swallowed. Causes irritation of eyes and skin. drying, irritation and dermatitis.

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### GHS Classification

Flammable liquids : Category 3  
Skin irritation : Category 2  
Eye irritation : Category 2A

### GHS label elements

Hazard pictograms :  

Signal word : Warning

Hazard statements : Flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.

Precautionary statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash skin thoroughly after handling.  
Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
**Storage:**  
Store in a well-ventilated place. Keep cool.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

### Potential Health Effects

Inhalation : yes  
Skin : yes  
Ingestion : yes  
Aggravated Medical : None known.

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Condition

**Carcinogenicity:**

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

#### Hazardous components

Component	CAS-No.	Weight percent
Hydrotreated heavy naptha	64742-48-9	30 - 50
Distillates (petroleum), hydrotreated light	64742-47-8	5 - 10
Hydrodesulfurized heavy naphtha petroleum	64742-82-1	1 - 5
1-butoxyethoxy-2-propanol	5131-66-8	1 - 5

Unidentified ingredients are considered not hazardous, or not required to be listed under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

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### SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.  
If symptoms persist, call a physician.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention if irritation develops and persists
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
Keep eye wide open while rinsing.  
Seek medical advice.
- If swallowed : Rinse mouth.  
Drink plenty of water.  
Obtain medical attention.

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Further information : Closed containers may explode when exposed to heat.  
Cool containers/tanks with water spray.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

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for firefighters

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Remove all sources of ignition.
- Methods and materials for containment and cleaning up : Ventilate area.  
Remove all heat and ignition sources.  
Clean up with inert absorbant material.  
Use nonsparking equipment when cleaning up flammable spill.  
Keep in suitable, closed containers for disposal.  
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Unscrew closure slowly. Allow all pressure to escape through threads before removing closure  
Use only with adequate ventilation.  
Electrically bond and ground all containers and equipment before transfer or use of material.
- Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
Store indoors in a cool, well-ventilated place  
Keep away from open flames, hot surfaces and sources of ignition.  
Keep container out of sun and away from heat.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrotreated heavy naptha	64742-48-9	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	200.000000 mg/m3 (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm	OSHA P0

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			1,600.000000 mg/m3	
		TWA (Mist)	5.000000 mg/m3	OSHA Z-1
		TWA (Mist)	5.000000 mg/m3	OSHA P0
		TWA (Mist)	5.000000 mg/m3	NIOSH REL
		ST (Mist)	10.000000 mg/m3	NIOSH REL
		PEL (particulate)	5.000000 mg/m3	CAL PEL
Hydrodesulfurized heavy naphtha petroleum	64742-82-1	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0
Cyclohexanone	108-94-1	TWA	20 ppm	ACGIH
		STEL	50 ppm	ACGIH
		TWA	25 ppm 100.000000 mg/m3	NIOSH REL
		TWA	50 ppm 200.000000 mg/m3	OSHA Z-1
		TWA	25 ppm 100.000000 mg/m3	OSHA P0
		PEL	25 ppm 100.000000 mg/m3	CAL PEL

### Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection  
Remarks : Impervious gloves
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Rubber or plastic apron
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Wear suitable gloves and eye/face protection.  
Wear suitable protective clothing.  
Wash hands before breaks and immediately after handling the product.  
Provide adequate ventilation.  
Do not inhale fumes.  
Keep away from food and drink.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : light brown
- Odour : hydrocarbon-like

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pH	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	155 - 200 °C
Flash point	:	46 °C Method: Tag closed cup
Evaporation rate	:	(Butyl Acetate=1) Less than 1
Upper explosion limit	:	7.00 %(V)
Lower explosion limit	:	0.60 %(V)
Vapour pressure	:	No data available
Relative density	:	0.9
Bulk density	:	7.51 lb/gal
Solubility(ies)		
Water solubility	:	practically insoluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks. Exposure to sunlight.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon monoxide Carbon dioxide (CO <sub>2</sub> ) Sulphur oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Components:

##### **Hydrotreated heavy naphtha:**

Acute oral toxicity : LD50 Rat: > 10,000.000000 mg/kg

Acute dermal toxicity : LD50 Rat: > 3,160.000000 mg/kg

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### **Distillates (petroleum), hydrotreated light:**

Acute oral toxicity : LD50 Rat: 5,000.000000 mg/kg

### **Hydrodesulfurized heavy naphtha petroleum:**

Acute oral toxicity : LD50 Rat: > 5,000.000000 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 3,160.000000 mg/kg

### **1-butoxyethoxy-2-propanol:**

Acute oral toxicity : LD50 Rat: 3,300.000000 mg/kg

Acute dermal toxicity : LD50 Rat: > 2,000.000000 mg/kg

## **Skin corrosion/irritation**

### **Product:**

Result: Skin irritation

### **Components:**

#### **Distillates (petroleum), hydrotreated light:**

Result: Mild skin irritation

## **Serious eye damage/eye irritation**

### **Product:**

Result: Eye irritation

### **Components:**

#### **Hydrotreated heavy naphtha:**

Result: Mild eye irritation

#### **Distillates (petroleum), hydrotreated light:**

Result: Mild eye irritation

## **Respiratory or skin sensitisation**

No data available

## **Germ cell mutagenicity**

No data available

## **Carcinogenicity**

No data available

## **Reproductive toxicity**

No data available

## **STOT - single exposure**

No data available

## **STOT - repeated exposure**

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No data available

### Aspiration toxicity

#### Components:

#### **Hydrotreated heavy naptha:**

May be fatal if swallowed and enters airways.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Bioaccumulative potential

#### Product:

Partition coefficient: : Remarks: No data available  
n-octanol/water  
Other adverse effects

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

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## SECTION 15. REGULATORY INFORMATION

**TSCA Status** : All components of this material comply with US TSCA requirements.

**OSHA Hazards** : Combustible Liquid, Moderate skin irritant, Moderate eye irritant  
**WHMIS Classification** : D2B: Toxic Material Causing Other Toxic Effects  
B2: Flammable liquid

#### EPCRA - Emergency Planning and Community Right-to-Know Act

Cyclohexanone	108-94-1	5,000	
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# Safety Data Sheet

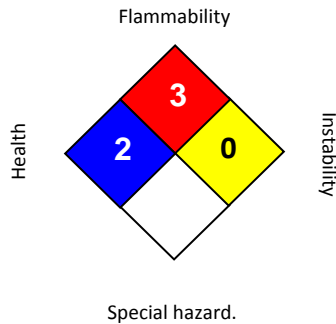
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**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

### NFPA:



### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Splash Goggles, Gloves, Apron, Vapour  
Respirator

## SECTION 16. OTHER INFORMATION

### Further information

Version 1.2  
Revision Date 12/20/2017

### SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations  
SDS Prepared on: 2018/01/18

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The content of this Safety Data Sheet (SDS) is based on an existing document from an acquired company with adaptations to Section I. The data is currently under validation.

END OF DATA SHEET