

Safety Data Sheet

Ardrox AV 8

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Version: 1.2

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1. Identification

Product identifier used on the label

Ardrox AV 8

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.l.chang@basf.com

Emergency telephone number

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

Other means of identification

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

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

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GHS Classification

Flammable liquids : Category 3
Skin irritation : Category 2
Eye irritation : Category 2B
Aspiration hazard : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin and 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 SWALLOWED: Immediately call a POISON CENTER/doctor.
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.
Do NOT induce vomiting.
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.
Store locked up.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : yes

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

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

Confirmed animal carcinogen with unknown relevance to humans

Aliphatic mineral spirits 64742-88-7

Cyclohexanone 108-94-1

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Hydrotreated heavy naptha	64742-48-9	50 - 70
Aliphatic mineral spirits	64742-88-7	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.

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.

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Keep eye wide open while rinsing.
Seek medical advice.

If swallowed : Rinse mouth.
Drink plenty of water.
Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Further information : Closed containers may explode when exposed to heat.
Cool containers/tanks with water spray.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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.
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 : Use only with adequate ventilation.
Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
Electrically bond and ground all containers and equipment before transfer or use of material.
Avoid breathing vapors, mist or gas.

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

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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
Aliphatic mineral spirits	64742-88-7	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	200.000000 mg/m3 (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0
		TWA	20 ppm	ACGIH
Cyclohexanone	108-94-1	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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: light brown
Odour	: solvent-like
pH	: Not applicable
Freezing point	: No data available
Boiling point/boiling range	: > 140 °C
Flash point	: 41 °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	: 0.88 (23 °C)
Bulk density	: 7.344 lb/gal
Solubility(ies)	
Water solubility	: 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

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks. Exposure to sunlight.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Barium oxide Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

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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

Skin corrosion/irritation

Product:

Result: Skin irritation

Serious eye damage/eye irritation

Product:

Result: Mild eye irritation

Components:

Hydrotreated heavy naphtha:

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

No data available

Repeated dose toxicity

Product:

Repeated dose toxicity - Assessment : Prolonged skin contact may cause skin irritation and/or dermatitis.

Aspiration toxicity

Product:

May be fatal if swallowed and enters airways.

Components:

Hydrotreated heavy naphtha:

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May be fatal if swallowed and enters airways.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Bioaccumulative potential

Product:

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

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.

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

SECTION 15. REGULATORY INFORMATION

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

OSHA Hazards : Combustible Liquid, Moderate skin irritant, Mild eye irritant, Aspiration hazard

WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects
B3: Combustible Liquid

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

Cyclohexanone	108-94-1	5,000	
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SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

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- SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

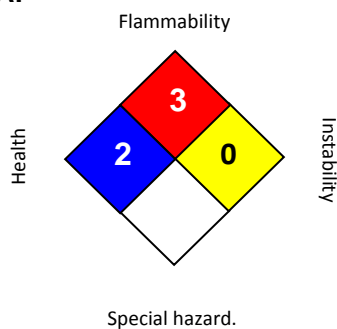
Pennsylvania Right To Know

Hydrotreated heavy naptha	64742-48-9
Naphtha (petroleum) light steam-cracked	68131-99-7
Organic acid and barium soap	25619-56-1
Calcium dinonylnaphthalene sulfonate	57855-77-3
Lanolin	8006-54-0
Aliphatic mineral spirits	64742-88-7
Cyclohexanone	108-94-1

New Jersey Right To Know

Hydrotreated heavy naptha	64742-48-9
Naphtha (petroleum) light steam-cracked	68131-99-7
Organic acid and barium soap	25619-56-1
Calcium dinonylnaphthalene sulfonate	57855-77-3
Lanolin	8006-54-0

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1

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

Splash Goggles, Gloves, Apron, Vapour Respirator

SECTION 16. OTHER INFORMATION

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Further information

Version 1.1
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