

**ARDROX<sup>®</sup> AV 40**

Version 0.1

Revision Date 07/07/2015

Print Date 11/12/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product name : ARDROX<sup>®</sup> AV 40

Substance number : REL\_10469

Chemical usage : Cleaning Compound, Corrosion inhibitor

**Manufacturer or supplier's details**

Company : Chemetall US, Inc.

Address : 675 Central Avenue  
New Providence NJ 07974

Telephone : (800) 526-4473

Telefax : (908) 464-4658

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

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

**GHS Classification**

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2B

**GHS Label element**

Hazard pictograms :



Signal word : Warning

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

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## Precautionary statements

: **Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 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

Distillates (petroleum),  
hydrotreated light

64742-47-8

**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.

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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
Hydrosulfurized heavy naphtha petroleum	64742-82-1	10 - 20
Distillates (petroleum), hydrotreated light	64742-47-8	1 - 5

Unidentified ingredients are considered not hazardous 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.  
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 : 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 for firefighters : In the event of fire, wear self-contained breathing apparatus.

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**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 : 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**

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
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
Distillates (petroleum),	64742-47-8	TWA	500 ppm	OSHA Z-1

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hydrotreated light			2,000.000000 mg/m3	
		TWA	200.000000 mg/m3 (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0

**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 : beige
- Odour : solvent-like
- pH : no data available
- Freezing point : no data available
- Boiling point/boiling range : no data available
- Flash point : 30 °C  
Method: Pensky-Martens Closed Cup
- Evaporation rate : (Butyl Acetate=1) Less than 1
- Upper explosion limit : 7.00 %(V)
- Lower explosion limit : 0.50 %(V)
- Relative density : 0.89 (20 °C)

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Bulk density	: 7.43 lb/gal
Solubility(ies)	
Water solubility	: practically insoluble, No data available
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	: Carbon monoxide Carbon dioxide (CO <sub>2</sub> ) Sulphur oxides

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method
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**Components:****Hydrotreated heavy naptha:**

Acute oral toxicity	: LD50 rat: > 10,000.000000 mg/kg
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Acute dermal toxicity	: LD50 rat: > 3,160.000000 mg/kg
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**Hydrodesulfurized heavy naphtha petroleum:**

Acute oral toxicity	: LD50 rat: > 5,000.000000 mg/kg
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Acute dermal toxicity	: LD50 rabbit: > 3,160.000000 mg/kg
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**Distillates (petroleum), hydrotreated light:**

Acute oral toxicity	: LD50 rat: 5,000.000000 mg/kg
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**Skin corrosion/irritation**

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**Product:**

Result: Skin irritation

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

Result: Mild skin irritation

**Serious eye damage/eye irritation****Components:****Hydrotreated heavy naptha:**

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**

no data available

**Aspiration toxicity**

no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

no data available

**Bioaccumulative potential****Product:**Partition coefficient: n-  
octanol/water

: Remarks: no data available

**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.

**SECTION 14. TRANSPORT INFORMATION****International regulation**

UN1139, Coating Solution, Class 3, PG III

**National Regulations**

UN1139, Coating Solution, Class 3, PG III

**SECTION 15. REGULATORY INFORMATION**

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

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

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

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

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : 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
Hydrodesulfurized heavy naphtha petroleum	64742-82-1



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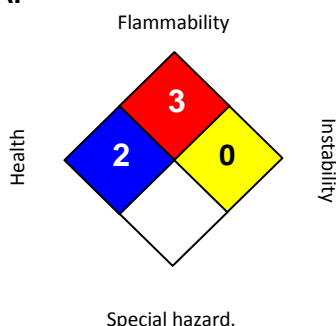
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Calcium petroleum sulfonate	68783-96-0
Calcium dinonylnaphthalene sulfonate	57855-77-3
Distillates (petroleum), hydrotreated light	64742-47-8

**New Jersey Right To Know**

Hydrotreated heavy naphtha	64742-48-9
Hydrodesulfurized heavy naphtha petroleum	64742-82-1
Calcium petroleum sulfonate	68783-96-0
Calcium dinonylnaphthalene sulfonate	57855-77-3
Distillates (petroleum), hydrotreated light	64742-47-8
Cobalt linoleate	14666-96-7

**NFPA:****HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</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**

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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.