

**ARDROX<sup>®</sup> 906**

Version 0.1

Revision Date 06/05/2015

Print Date 06/08/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ARDROX<sup>®</sup> 906

Substance number : REL\_200544

Chemical usage : Nondestructive Testing

**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	red
Odour	solvent-like
Hazard Summary	Harmful by inhalation and if swallowed. Causes irritation of eyes and skin.

**GHS Classification**

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms : 

Signal word : Warning

Hazard statements : Causes serious eye irritation.

Precautionary statements : **Prevention:**  
Wash skin thoroughly after handling.  
Wear eye protection/ face protection.  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue

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rinsing.

If eye irritation persists: Get medical advice/ attention.

**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
trade secret registry	735517-5160P	30 - 50
Diethylene Glycol Butyl Ether	112-34-5	20 - 30
Distillates (petroleum), hydrotreated light	64742-47-8	20 - 30

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.

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**SECTION 4. FIRST AID MEASURES**

If inhaled : Remove person to fresh air. If signs/symptoms continue, get

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medical attention.

- 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 : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.  
Keep eye wide open while rinsing.
- If swallowed : Rinse mouth.  
Drink plenty of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Foam
- Further information : Use water spray to cool unopened containers.
- 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.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
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.  
Electrically bond and ground all containers and equipment before transfer or use of material.  
Unscrew closure slowly. Allow all pressure to escape through threads before removing closure

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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 drum 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
Diethylene Glycol Butyl Ether	112-34-5	TWA (Inhalable fraction and vapor)	10 ppm	ACGIH
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	200.000000 mg/m3	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

: Chemical resistant goggles must be worn.

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 breathe vapours or spray mist.  
 Keep away from food and drink.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	: liquid
Colour	: red
Odour	: solvent-like
pH	: not applicable
Freezing point	: < -17.8 °C
Boiling point/boiling range	: no data available
Flash point	: > 93.4 °C Method: Pensky-Martens Closed Cup
Evaporation rate	: (Butyl Acetate=1) Less than 1
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative density	: 0.931
Bulk density	: 7.77 lb/gal
Solubility(ies)	
Water solubility	: partly miscible
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	: Direct sources of heat. Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Carbon oxides

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

Acute oral toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg

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Method: Calculation method

**Components:****Diethylene Glycol Butyl Ether:**

Acute oral toxicity : LD50 rat: 6,560.000000 mg/kg

LD50 rat: 4,500.000000 mg/kg

Acute dermal toxicity : LD50 rabbit: 4,120.000000 mg/kg

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

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

**Skin corrosion/irritation****Components:****trade secret registry:**

Result: Mild skin irritation

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

Result: Mild skin irritation

**Serious eye damage/eye irritation****Components:****trade secret registry:**

Result: 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**

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no data available

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

no data available

**Components:****trade secret registry :**Partition coefficient: n-  
octanol/water : log Pow: 3.3 - 4.4**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 regulation****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** : Mild skin irritant, Moderate eye irritant**WHMIS Classification** : D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 311/312 Hazards** : 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** : The following components are subject to reporting levels established by SARA Title III, Section 313:

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Diethylene Glycol Butyl Ether

112-34-5

**US State Regulations**

**Massachusetts Right To Know**

Azo Dye, (C.I. Solvent Yellow 14)

842-07-9

**Pennsylvania Right To Know**

trade secret registry

735517-5160P

Diethylene Glycol Butyl Ether

112-34-5

Distillates (petroleum), hydrotreated light

64742-47-8

Trade Secret Registry

735517-5111P

Azo Dye, (C.I. Solvent Yellow 14)

842-07-9

**New Jersey Right To Know**

trade secret registry

735517-5160P

Diethylene Glycol Butyl Ether

112-34-5

Distillates (petroleum), hydrotreated light

64742-47-8

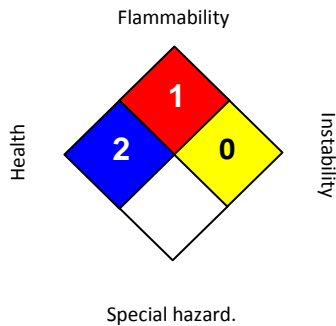
Trade Secret Registry

735517-5111P

Azo Dye, (C.I. Solvent Yellow 14)

842-07-9

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

Safety Glasses, Gloves, Apron

**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



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