

ARDROX® 5529Version 1.4
Revision Date 03/18/2009

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ARDROX® 5529
 MSDS Number : REL_200324

Company : Chemetall US, Inc.
 675 Central Avenue
 New Providence, NJ 07974

Telephone : +18005264473
 Telefax : +19084644658
 Emergency telephone no : CHEMTREC - 800-424-9300

SECTION 2. HAZARDOUS COMPONENTS INFORMATION

Component	CAS-No.	Weight %
n-Butyl acetate	123-86-4	5.00 - 10.00
2-Propanol	67-63-0	10.00 - 20.00
ACETONE	67-64-1	30.00 - 40.00
Methyl propyl ketone	107-87-9	40.00 - 50.00
Methyl Isobutyl Ketone	108-10-1	1.00 - 5.00

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

SECTION 3. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
 Colour : colourless
 Odour : solvent
 Hazard Summary : Flammable/Combustible!Causes irritation of eyes and skin.Also harmful by inhalation and if swallowed.

Route(s) of Entry	Inhalation	Skin	Ingestion
	yes	yes	yes

Carcinogenicity:

NTP No substance in this product is listed by NTP as a carcinogen
 IARC No substance in this product is listed by IARC as a carcinogen
 OSHA No substance in this product is regulated by OSHA as a carcinogen

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SECTION 4. FIRST AID MEASURES

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

SECTION 5. FIRE-FIGHTING MEASURES

- Flash point : -1.1 °C (30.0 °F)
Tag closed cup
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- TDG Flammability Class : 3
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : In the event of fire, cool tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Use nonsparking equipment when cleaning up flammable spill. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

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SECTION 7. HANDLING AND STORAGE**Handling**

Handling : Unscrew closure slowly. Allow all pressure to escape through threads before removing closure

Storage

Requirements for storage areas and containers : 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

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
n-Butyl acetate	713 mg/m3 N.D.	710 mg/m3 N.D.
2-Propanol	983 mg/m3 N.D.	980 mg/m3 N.D.
ACETONE	500 ppm N.D.	1,000 ppm N.D.
Methyl propyl ketone	705 mg/m3 N.D.	700 mg/m3 N.D.
Methyl Isobutyl Ketone	205 mg/m3 N.D.	410 mg/m3 N.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : Solvent-resistant gloves

Skin and body protection : Chemical resistant apron

Respiratory protection : If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

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.

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Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH	:	Note: not applicable
Freezing point	:	Note: no data available
Boiling point/boiling range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	6.66 lb/gal
Water solubility	:	Note: partly soluble
Partition coefficient: n-octanol/water	:	Note: no data available
Percent of Volatile by Weight excluding water	:	100
Relative density	:	0.80
Evaporation rate	:	Note: (Butyl Acetate = 1): Greater than 1.

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks. Exposure to sunlight.
Materials to avoid	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon dioxide (CO ₂) Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:	:	Mixture; Not Determined.
Acute oral toxicity n-Butyl acetate	:	LD50, rat Dose: 10,768 mg/kg
2-Propanol	:	LD50, rat Dose: 5,045 mg/kg

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ACETONE : LD50, mouse
Dose: 3,000 mg/kgMethyl Isobutyl Ketone : LD50, rat
Dose: 2,080 mg/kg**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : 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

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION**TSCA Status** : All components of this material comply with US TSCA requirements.**SARA 313 Components** : 2-Propanol CAS-No. 67-63-0
: ACETONE CAS-No. 67-64-1
: Methyl Isobutyl Ketone CAS-No. 108-10-1**SARA 313 Components** : N.D.**CERCLA Reportable Quantity** : n-Butyl acetate 5,000 Pounds
: ACETONE 5,000 Pounds
: Methyl Isobutyl Ketone 5,000 Pounds**California Prop. 65** : N.D**NFPA** : 2 3 0**HMIS** : 2 3 0 H**WHMIS** : D2B: Toxic Material Causing Other Toxic Effects
B2: Flammable Liquid

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SECTION 16. OTHER INFORMATION

Further information

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.