

ARDROX® 295G

Version 1.2
Revision Date 11/23/2006

Print Date 01/15/2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ARDROX® 295G
 MSDS Number : REL_200223

Company : OAKITE PRODUCTS 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 %
FERRIC SULFATE	10028-22-5	25.00 - 30.00
Sulfuric acid	7664-93-9	5.00 - 10.00
Nitric acid	7697-37-2	10.00 - 15.00

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

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

Form : liquid
 Colour : brown
 Odour : none
 Hazard Summary : Causes severe burns.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

SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air If symptoms persist, call a physician If breathing is irregular or stopped, administer artificial respiration

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- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician if irritation develops or persists.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately.
- Ingestion : Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5. FIRE-FIGHTING MEASURES

- Flash point : Note: does not flash
- Lower explosion limit : Note: Not applicable.
- Upper explosion limit : Note: Not applicable.
- TDG Flammability Class : NONE
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Ventilate the area.
- Methods for cleaning up : Neutralise with ;
soda ash
lime
Clean up with inert absorbant material.
Keep in suitable, closed containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE**Storage**

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Requirements for storage areas and containers : Keep containers tightly closed to avoid contamination
Store indoors in a cool, well-ventilated place
Keep drum out of sun and away from heat.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
FERRIC SULFATE	1 ppm soluble salts as FeN.D.	N.D.
Sulfuric acid	1 mg/m ³ N.D.	1 mg/m ³ N.D.
Nitric acid	5.2 mg/m ³ N.D.	5 mg/m ³ N.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : impervious gloves

Skin and body protection : protective suit

Respiratory protection : Respirator with combination filter for vapour/particulate.

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

pH : Note: Less than 2.5

Melting point/range : < 0 °C (< 0 °C)

Boiling point/range : Note: no data available

Vapour pressure : Note: no data available

Bulk density : 12.00 lb/gal

Water solubility : Note: completely soluble

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Partition coefficient (n-octanol/water) : Note: no data available

Percent of Volatile by Weight excluding water : 0

Relative density : 1.44

Evaporation rate : Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Avoid letting the product become dry.

Materials to avoid : bases
reducing agents
combustible material
organic materials
Warning! Do not use together with other products; may release dangerous gases (chlorine).

Hazardous decomposition products : sulphur oxides
Nitrogen Oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

Acute oral toxicity
Sulfuric acid : LD50, rat
Dose: 2,140 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : In accordance with local and national regulations.

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SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION

TSCA Status	:	All components of this material are on the US TSCA Inventory.	
SARA 313 Components	:	Sulfuric acid	CAS-No. 7664-93-9
	:	Nitric acid	CAS-No. 7697-37-2
SARA 313 Components	:	N.D.	
CERCLA Reportable Quantity	:	FERRIC SULFATE	1,000 Pounds
	:	Sulfuric acid	1,000 Pounds
	:	Nitric acid	1,000 Pounds
California Prop. 65	:	N.D	
NFPA	:	3 0 1 Corrosive Acid	
HMIS	:	3 0 1 J	

SECTION 16. OTHER INFORMATION
Further information

Oakite Products, Inc. warrants that the products described herein will conform with its published specifications. The products supplied by Oakite 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 Oakite materials for their own particular purpose. Since buyer's conditions of use of products are beyond Oakite's control, Oakite does not warrant any recommendations and information for the use of such products. OAKITE DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.