

ARDROX® 185 LVersion 1.4
Revision Date 07/08/2011

Print Date 04/03/2012

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ARDROX® 185 L
 MSDS Number : REL_200156

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

Telephone : +18005264473
 Telefax : +19084644658
 MSDS prepared by : Health and Environmental Department
 Telephone : 908-464-6900
 Emergency telephone no : CHEMTREC - 800-424-9300
 Product Use : Rust remover., Scale remover.

SECTION 2. HAZARDOUS COMPONENTS INFORMATION

Component	CAS-No.	Weight percent
Sodium hydroxide	1310-73-2	10.00 - 30.00

Unidentified ingredients are considered not hazardous under Workplace Hazardous Material Information System (WHMIS).

SECTION 3. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
 Colour : colourless
 Odour : mild
 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.

SECTION 4. FIRST AID MEASURES

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

N.D. - Not Determined

1/5

N.A. - Not Applicable

ARDROX® 185 L

Version 1.4
Revision Date 07/08/2011

Print Date 04/03/2012

- respiration.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. 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. 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 : Carbon dioxide (CO2)
Dry chemical
Foam
Water
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water spray to cool unopened containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation.
Material can create slippery conditions.
- Methods for cleaning up : Ventilate area.
Neutralise with acid.
Clean up with inert absorbant material.
Keep in suitable, closed containers for disposal.
Flush with plenty of water.

ARDROX® 185 L

Version 1.4
Revision Date 07/08/2011

Print Date 04/03/2012

Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Add this product to surface of solution slowly to avoid spattering
Do not add large amounts of product to solution at any one time.
Do not add to hot water warmer than 43 degrees to 49 degrees C (110 degrees to 120 degrees F).
Never add liquids to product

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV (TWA)
Sodium hydroxide	NONE

Eye protection : Chemical resistant goggles must be worn.
Face-shield

Hand protection : Neoprene gloves

Skin and body protection : protective suit

Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.

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.

ARDROX® 185 LVersion 1.4
Revision Date 07/08/2011

Print Date 04/03/2012

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH	:	> 12.5 Note: +/- 0.5
Freezing point	:	0 °C (0 °C)
Boiling point/boiling range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	11.93 lb/gal
Water solubility	:	Note: completely soluble
Partition coefficient: n-octanol/water	:	Note: no data available
Percent of Volatile by Weight excluding water	:	0
Relative density	:	1.429
Evaporation rate	:	1 Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Direct sources of heat.
Materials to avoid	:	Acids
Hazardous decomposition products	:	Hydrogen, by reaction with metals Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

Acute oral toxicitySodium hydroxide : LD₅₀, rabbit
Dose: 500 mg/kg**Acute toxicity (other routes of administration)**

N.D. - Not Determined

4/5

N.A. - Not Applicable

ARDROX® 185 L

Version 1.4
Revision Date 07/08/2011

Print Date 04/03/2012

Sodium hydroxide : LD50, dog, Intravenous
Dose: 45 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

No data 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

DSL Status : All components of this material comply with the CANADA Domestic Substances List (DSL) Inventory requirements.

NFPA : 3 0 1 Corrosive Alkaline

HMIS : 3 0 1 J

WHMIS : D2B: Toxic Material Causing Other Toxic Effects
E: Corrosive Material

SECTION 16. OTHER INFORMATION**Further information**

N.D.