

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
Product name : ARDROX[®] 6333

Substance number : REL_200387

Chemical usage : Cleaning Compound

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	yellow
Odour	mild
Hazard Summary	Causes irritation of eyes and skin. Also harmful by inhalation and if swallowed.

GHS Classification

Skin corrosion : Category 1A

Serious eye damage : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.

 Precautionary statements : **Prevention:**
 Wash skin thoroughly after handling.
 Wear protective gloves/ protective clothing/ eye protection/ face protection.

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Wash contaminated clothing before reuse.

Storage:

Store locked up.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Potassium silicate	1312-76-1	1 - 5

ARDROX® 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

Trade Secret Registry	735517-5122P	1 - 5
Potassium hydroxide	1310-58-3	1 - 5
Dipropylene glycol methyl ether	34590-94-8	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 person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
If skin irritation persists, call a physician.
- 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 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Foam
Water spray
- 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.
Material can create slippery conditions.
- Methods and materials for containment and 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.
- Additional advice : Never return spills in original containers for re-use.

ARDROX® 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Add this product to surface of solution slowly to avoid spattering
Use only with adequate ventilation.
Mix thoroughly before using.
- 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 FROM FREEZING

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Potassium hydroxide	1310-58-3	C	2.000000 mg/m3	ACGIH
		C	2.000000 mg/m3	NIOSH REL
		C	2.000000 mg/m3	OSHA P0
Dipropylene glycol methyl ether	34590-94-8	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		ST	150 ppm 900.000000 mg/m3	NIOSH REL
		TWA	100 ppm 600.000000 mg/m3	NIOSH REL
		TWA	100 ppm 600.000000 mg/m3	OSHA Z-1
		TWA	100 ppm 600.000000 mg/m3	OSHA P0
		STEL	150 ppm 900.000000 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.

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

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	: yellow
Odour	: mild
pH	: 11.5 - 12.5
Freezing point	: no data available
Boiling point/boiling range	: no data available
Flash point	: > 93.4 °C
Evaporation rate	: (Water =1) Less than 1
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative density	: 1.100
Bulk density	: 9.18 lb/gal
Solubility(ies)	
Water solubility	: completely soluble
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Direct sources of heat. freezing
Incompatible materials	: Acids

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

Hazardous decomposition products : Carbon monoxide
Carbon oxides
Nitrogen oxides (NOx)
Oxides of phosphorus

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

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

Acute inhalation toxicity : Acute toxicity estimate : > 40.000000 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

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

Components:**Potassium silicate:**

Acute oral toxicity : LD50 rat: 1,300.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity : LD50 rat: 4,090.000000 mg/kg

LD50 mouse: 6,600.000000 mg/kg

Acute inhalation toxicity : LC50 rat: 2.300000 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

LC50 mouse: 1.200000 mg/l
Exposure time: 2 h
Test atmosphere: dust/mist

Potassium hydroxide:

Acute oral toxicity : LD50 rat: 273.000000 mg/kg

LD50 rat: 365.000000 mg/kg

Acute dermal toxicity : LD50 rabbit: 1,260.000000 mg/kg

Dipropylene glycol methyl ether:

Acute oral toxicity : LD50 rat: 5,230.000000 mg/kg

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

Acute dermal toxicity : LD50 rabbit: 9,500.000000 mg/kg

Skin corrosion/irritation

Components:

Potassium hydroxide:
Result: Corrosive

Serious eye damage/eye irritation

Components:

Potassium hydroxide:
Result: Corrosive

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

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.

ARDROX[®] 6333

Version 1.1

Revision Date 06/22/2016

Print Date 06/22/2016

SECTION 14. TRANSPORT INFORMATION
International regulation

UN3266, Corrosive Liquid, Basic, Inorganic, N.O.S.(Potassium Hydroxide, Potassium Silicate), Class 8, PG III

National Regulations

UN3266, Corrosive Liquid, Basic, Inorganic, N.O.S.(Potassium Hydroxide, Potassium Silicate), Class 8, PG III

SECTION 15. REGULATORY INFORMATION

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

OSHA Hazards : Toxic by ingestion, Harmful by skin absorption.
WHMIS Classification : E: Corrosive Material
 D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Potassium hydroxide	1310-58-3	1,000	86,957

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 : 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

Potassium hydroxide	1310-58-3
Dipropylene glycol methyl ether	34590-94-8

Pennsylvania Right To Know

water	7732-18-5
Potassium silicate	1312-76-1
Potassium hydroxide	1310-58-3
Dipropylene glycol methyl ether	34590-94-8

ARDROX® 6333

Version 1.1

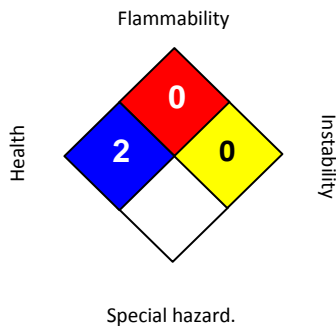
Revision Date 06/22/2016

Print Date 06/22/2016

New Jersey Right To Know

water	7732-18-5
Potassium silicate	1312-76-1
Disodium capryloampho dipropionate	68815-55-4
Trade Secret Registry	735517-5122P
EDTA, sodium salt	64-02-8
Potassium hydroxide	1310-58-3
Dipropylene glycol methyl ether	34590-94-8

NFPA:



Corrosive Alkaline

HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

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

Safety Glasses, Gloves, Apron

SECTION 16. OTHER INFORMATION

Further information

Version 1.1
Revision Date 06/22/2016

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.