

Safety Data Sheet ONT.0037

Date of issue: 02/15/2018 Version: 1.0 SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier 1.1.

Product Type Liquid

Identified Uses Aluminum Cleaner

Relevant identified uses of the substance or mixture and uses advised against 1.2.

1.3. Details of the supplier of the safety data sheet

Supplier

MCGEHEE & MCGEHEE ENTERPRISES INC 120 SOUTH BOGGESS AVENUE

- USA

T (270) 338-4600 - F (270) 338-4602

1.4. **Emergency telephone number**

1-800-424-9300 (CHEMTREC) **Emergency number**

SECTION 2: Hazards identification

OSHA/HCS Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture

ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 1A SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

2.3 **GHS Label Elements**

HAZARD PICTOGRAMS:





SIGNAL WORD: **DANGER**

Safety Data Sheet ONT.0037

HAZARD STATEMENTS:

H310 - Fatal in contact with skin.

H301- Toxic if swallowed.

H332 - Harmful if inhaled.

H314 - Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

P271 - Use only outdoors or in a well-ventilated area.

P262 - Do not get in eyes, on skin, or on clothing.

P261 - Avoid breathing vapor.

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash hands thoroughly after handling.

RESPONSE:

P304+P340+P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.

P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.

P303+P361+P353+P363+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.

P302+P361+P364+P352+P310 - IF ON SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. Immediately call a POISON CENTER or physician.

P305+P351+P338+P310 - 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 physician.

STORAGE:

P405 - Store locked up.

DISPOSAL:

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.4 Hazards not Otherwise Classified

None known.

SECTION 3: Composition/Information on ingredients

3.1 Substance/Mixture

Mixture

3.2 Other Means of Identification

Not Available

INGREDIENT NAME	%	CAS NUMBER
Sulfuric acid	≥5 - ≤10	7664-93-9
Hydrofluoric acid	≥5 - <5.5	7664-39-3
Phosphoric acid	≥5 - ≤9.9	13598-36-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Safety Data Sheet ONT.0037

SECTION 4: First aid measures

4.1 Description of Necessary First Aid Measures

EYE CONTACT:

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.

INHALATION:

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SKIN CONTACT:

Get medical attention immediately. Call a poison center or physician. Gently wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION:

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosed tight clothing such as a collar, tie, belt or waistband.

4.2 Most Important Symptoms/Effects, Acute and Delayed

4.2.1 POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT	Causes serious eye damage.
INHALATION	Harmful if inhaled.
SKIN CONTACT	Causes severe burns. Fatal in contact with skin.
INGESTION	Toxic if swallowed.

4.2.2 OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT	Adverse symptoms may include the following: pain watering redness
INHALATION	No known significant effects or critical hazards.
SKIN CONTACT	Adverse symptoms may include the following: pain or irritation redness blistering may occur
INGESTION	Adverse symptoms may include the following: stomach pains

Safety Data Sheet ONT.0037

4.3 Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

NOTES TO PHYSICIAN:

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SPECIFIC TREATMENTS:

No specific treatment.

PROTECTION OF FIRST-AIDERS:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SEE TOXICOLOGICAL INFORMATION (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing Media

5.1.1 SUITABLE EXTINGUISHING MEDIA

Use an extinguishing agent suitable for the surrounding fire.

5.1.2 UNSUITABLE EXTINGUISHING MEDIA

None known.

5.2 Specific Hazards Arising from the Chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

5.3 Hazardous Thermal Decomposition Products

Decomposition products may include the following materials:

sulfur oxides

phosphorus oxides

halogenated compounds

5.4 Special Protective Actions for Fire-Fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.5 Special Protective Equipment for Fire-Fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

SECTION 6: Accidental release measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1 FOR NON-EMERGENCY PERSONNEL

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2 FOR EMERGENCY RESPONDERS

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.1.3 ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Safety Data Sheet ONT.0037

6.2 Methods and Materials for Containment and Cleaning Up

6.2.1 SMALL SPILL

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.2.2 LARGE SPILL

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

7.1 Precautions for Safe Handling

7.1.1 PROTECTIVE MEASURES

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.1.2 ADVICE ON GENERAL OCCUPATIONAL HYGIENE

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

7.1.3 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalies. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

02/15/2018 EN (English US) SDS ID: ONT.0037 5/16

Safety Data Sheet ONT.0037

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

8.1.1 OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT NAME	EXPOSURE LIMITS
Sulfuric Acid	NIOSH REL (United States, 10/2013). TWA: 1 mg/m3 10 hours. OSHA PEL (United States, 6/2016). TWA: 1 mg/m3 8 hours. ACGIH TLV (United States, 3/2016). TWA: 0.2 mg/m3 8 hours. Form: thoracic fraction
Hydrofluoric Acid	ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 0.5 ppm, (as F) 8 hours. C: 2 ppm, (as F) OSHA PEL Z2 (United States, 2/2013). TWA: 3 ppm 8 hours. NIOSH REL (United States, 10/2016). TWA: 3 ppm 10 hours. TWA: 2.5 mg/m3 10 hours. CEIL: 6 ppm 15 minutes. CEIL: 5 mg/m3 15 minutes. OSHA PEL (United States, 6/2016). TWA: 2.5 mg/m3, (as F) 8 hours.
Phosphoric Acid	None.

8.1.2 APPROPRIATE ENGINEERING CONTROLS

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.1.3 ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.2 Individual Protection Measures

8.2.1 HYGIENE MEASURES

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 EYE/FACE PROTECTION

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

8.3 Skin Protection

8.3.1 HAND PROTECTION

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Safety Data Sheet ONT.0037

8.3.2 BODY PROTECTION

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8.3.3 OTHER SKIN PROTECTION

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8.3.4 RESPIRATORY PROTECTION

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

02/15/2018 EN (English US) SDS ID: ONT.0037 7/16

Safety Data Sheet ONT.0037

SECTION 9: Physical and chemical properties

9.1. Information on basic	physical and chemical properties

Physical state : Liquid. [Clear.Transparent.]

Color : Pink.
Odor : Acid.

Odor Threshold : Not available.

pH : 1 [Conc. (% w/w): 1%]

Melting Point : Not available.

Boiling Point : 97° C (206.6°F)

Flash Point : Not available.

Evaporation Rate : Not available.

Flammability (solid, gas) : Not available.

Lower and Upper Explosive (flammable) limits : Not available.

Vapor Pressure : Not available.

Vapor Density : Not available.

Relative Density : 1.06

Solubility : Easily soluble in the following materials: cold water and hot water.

Partition Coefficient: n-Octanol/Water : Not Available.

Auto-Ignition Temperature : Not Available.

Decomposition Temperature : Not Available.

Viscosity : Not Available.

Flow Time (ISO 2431) : Not Available.

VOC Content : 0 lbs/gal (0 g/l)

02/15/2018

EN (English US) SDS ID: ONT.0037 8/16

Safety Data Sheet ONT.0037

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

The product is stable.

10.3 Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to Avoid

No specific data.

10.5 Incompatible Materials

Not available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

1.1 Information on Toxicological Effects

11.1.1 ACUTE TOXICITY

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Sulfuric Acid	LD50 Oral	Rat	2140 mg/kg	-
Lludrofluorio Apid	LC50 Inhalation Gas.	Rat	1276 ppm	1 hours
Hydrofluoric Acid	LC50 Inhalation Vapor	Rat	1100 mg/m3	60 minutes
Dhaanbania Aaid	LD50 Dermal	Rat	>5000 mg/kg	-
Phosphonic Acid	LD50 Oral	Rat	1895 mg/kg	-

11.1.2 IRRITATION/CORROSION

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Sulfuric Acid	Eyes - Severe Irritant	Rabbit	-	250 ug	-
	Eyes - Severe Irritant	Rabbit	-	0.5 minutes 5 mg	-
Hydrofluoric Acid	Skin - Severe Irritant	Rat	-	3 minutes 50%	-

11.1.3 SENSITIZATION

There is no data available.

Safety Data Sheet ONT.0037

11.1.4 MUTAGENICITY

There is no data available.

11.1.5 CARCINOGENICITY

CLASSIFICATION:

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Hydrofluoric Acid	-	3	-

11.1.6 REPRODUCTIVE TOXICITY

There is no data available.

11.1.7 TERATOGENICITY

There is no data available.

11.1.8 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

There is no data available.

11.1.9 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

There is no data available.

11.1.10 ASPIRATION HAZARD

There is no data available.

11.2 Information on the Likely Routes of Exposure

Dermal contact. Eye contact. Inhalation. Ingestion.

11.3 Potential Acute Health Effects

11.3.1 EYE CONTACT

Causes serious eye damage.

11.3.2 INHALATION

Harmful if inhaled.

11.3.3 SKIN CONTACT

Causes severe burns. Fatal in contact with skin.

11.3.4 INGESTION

Toxic if swallowed.

11.4 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

11.4.1 EYE CONTACT

Adverse symptoms may include the following:

pain

watering

redness

11.4.2 INHALATION

No known significant effects or critical hazards.

Safety Data Sheet ONT.0037

11.4.3 SKIN CONTACT

Adverse symptoms may include the following: pain or irritation redness blistering may occur

11.4.4 INGESTION

Adverse symptoms may include the following: stomach pains

11.5 Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

11.5.1 SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

11.5.2 LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS	No known significant effects or critical hazards.

11.5.3 POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL	No known significant effects or critical hazards.
CARCINOGENICITY	No known significant effects or critical hazards.
MUTAGENICITY	No known significant effects or critical hazards.
TERATOGENICITY	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS	No known significant effects or critical hazards.
FERTILITY EFFECTS	No known significant effects or critical hazards.

11.6 Numerical Measures of Toxicity

11.6.1 ACUTE TOXICITY ESTIMATES

Route	ATE Value
Oral	99.46 mg/kg
Dermal	100 mg/kg
Inhalation (vapors)	11 mg/L

Safety Data Sheet ONT.0037

SECTION 12: Ecological information

12.1 Toxicity

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Sulfuric Acid	Acute LC50 42500 ug/L Marine water	Crustaceans - Pandalus montagui - Adult	48 hours
	Acute LC50 42 ppm Fresh Water	Fish - Gambusia affinis - Adult	96 hours

12.2 Persistence and Degradability

There is no data available.

12.3 Bioaccumulative Potential

There is no data available.

12.4 Mobility in Soil

Soil/Water Partition Coefficient (Koc):

Not available

Other Adverse Effects:

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13.2 United States - RCRA Toxic Hazardous Waste "U" List

INGREDIENT	CAS#	STATUS	REFERENCE NUMBER
Hydrofluoric Acid	7664-39-3	Listed	U134

SECTION 14: Transport information

	DOT CLASSIFICATION	IMDG	IATA
UN NUMBER	UN2922	UN2922	UN2922
UN PROPER SHIPPING NAME	CORROSIVE LIQUID, TOXIC, N.O.S. (Hydrofluoric acid, Phosphoric acid, Sulfuric acid)	CORROSIVE LIQUID, TOXIC, N.O.S. (Hydrofluoric acid, Phosphoric acid, Sulfuric acid)	CORROSIVE LIQUID, TOXIC, N.O.S. (Hydrofluoric acid, Phosphoric acid, Sulfuric acid)
TRANSPORT HAZARD CLASS(ES)	8 (6.1) Corrosive, Poison	8 (6.1) Corrosive, Poison	8 (6.1) Corrosive, Poison
PACKING GROUP	I	I	l
ENVIRONMENTAL HAZARDS	No.	No.	No.

Safety Data Sheet ONT.0037

AERG:

154

DOT-RQ DETAILS:

Hydrofluoric Acid - 100 lbs / 45.4 kg [10.429 gal / 39.475 L] Sulfuric Acid - 1000 lbs / 454 kg [66.262 gal/250.83 L]

14.2 Additional Information

DOT CLASSIFICATION:

Reportable quantity 2000 lbs / 908 kg [226.29 gal/856.6 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

SPECIAL PRECAUTIONS FOR USER:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

15.1 U.S. Federal Regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States Inventory (TSCA 8b): All components are listed or exempted.

Commerce control list precursor: Hydrofluoric acid

Clean Water Act (CWA) 311: Sulfuric acid; Hydrofluoric acid

Clean Air Act (CAA) 112 regulated toxic substances: Hydrofluoric acid

CLEAN AIR ACT SECTION 112 (b) HAZARDOUS AIR POLLUTANTS (HAPs)

Listed.

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES

Not listed.

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES

Not listed.

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS)

Not listed.

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS)

Listed.

15.2 SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS

Safety Data Sheet ONT.0037

NAME	EHS	SARA 302 TPQ		SARA	304 RQ
		(lbs)	(gallons)	(lbs)	(gallons)
Sulfuric acid	Yes	1000	66.3	1000	66.3
Hydrofluoric acid	Yes	100	10.4	100	10.4

SARA 304 RQ

2000 lbs / 908 kg [226.3 gal / 856.6 L]

15.3 SARA 311/312

Classification:

Acute Toxicity (oral) - Category 3 Acute Toxicity (dermal) - Category 2 Acute Toxicity (inhalation) - Category 4 Skin Corrosion/Irritation - Category 1A Serious Eye Damage/Eye Irritation - Category 1

Composition/Information on Ingredients

NAME	CLASSIFICATION
Oultimia Asid	SKIN CORROSION/IRRITATION - Category 1A
Sulfuric Acid	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
	ACUTE TOXICITY (oral) - Category 2
	ACUTE TOXICITY (dermal) - Category 1
Hydrofluoric Acid	ACUTE TOXICITY (inhalation) - Category 2
	SKIN CORROSION/IRRITATION - Category 1A
	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
	ACUTE TOXICITY (oral) - Category 4
Phosphoric Acid	SKIN CORROSION/IRRITATION - Category 1A
	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

Safety Data Sheet ONT.0037
15.4 SARA 313

	PRODUCT NAME	CAS NUMBER
Form R - Reporting Requirements	Sulfuric acid	7664-93-9
	Hydrofluoric acid	7664-39-3
Supplier Notification	Sulfuric acid	7664-93-9
	Hydrofluoric acid	7664-39-3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

15.5	State Regulations		
	MASSACHUSETTS	The following components are listed: Sulfuric acid; Hydrofluoric acid	
	NEW YORK	The following components are listed: Sulfuric acid; Hydrofluoric acid	
	NEW JERSEY	The following components are listed: Sulfuric acid; Hydrofluoric acid; Phosphonic acid	
	PENNSYLVANIA	The following components are listed: Sulfuric acid; Hydrofluoric acid	

California Prop. 65

No products were found.

SECTION 16: Other information				
16.1 Procedure Used to Derive the Classification				
CLASSIFICATION	JUSTIFICATION			
ACUTE TOXICITY (oral) - Category 3	Calculation method			
ACUTE TOXICITY (dermal) - Category 2	Calculation method			
ACUTE TOXICITY (inhalation) - Category 4	Calculation method			
SKIN CORROSION/IRRITATION - Category 1A	Expert judgment			
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	On basis of test data			
16.2 History				
DATE OF ISSUE mm/dd/yyyy	02/15/2018			
DATE OF PREVIOUS ISSUE	Not Applicable			
VERSION	1			

Safety Data Sheet ONT.0037

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.