



SAFETY DATA SHEET

Section 1: Identification

Product Name: Mighty Econo Wheel Acid
Product Code: DL3103
Product Class: Wheel Cleaner
Manufacturer/Supplier: Mighty Distributing System of America
650 Engineering Drive
Norcross, GA 30092
Telephone: 800-829-3900
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: October 4, 2015
Date of Review/Update:

Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification: Corrosive 1B
Signal Word: Danger

GHS Hazard Statements:

H302 + H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H373 May cause damage to liver, kidneys or blood through prolonged or repeated exposure.

GHS Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

Signs and Symptoms of Exposure:

Eye: Irritation including tearing or redness.
Skin: Prolonged skin contact may cause irritation including redness, irritation, itching.
Ingestion: Gastrointestinal irritation, nausea, vomiting, and diarrhea, upset stomach.
Inhalation: Not a likely route of exposure, but if over-inhalation occurs symptoms would include nose, throat, respiratory irritation.
Medical Conditions Aggravated by Exposure: None known.
HMIS Rating: Health- 3 Fire- 0 Reactivity- 0 Personal Protection- C
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Section 3: Composition/Information on Ingredients

| Chemical Name | CAS Number | % Range | OSHA PEL | ACGHI TLV |
|---------------------------------------|------------|---------|---------------------|---------------------|
| Phosphoric Acid | 7664-38-2 | 1-5 | 1 mg/m ³ | 1 mg/m ³ |
| Hydrofluoric acid (Hydrogen Fluoride) | 7664-39-3 | 1-5 | 3 ppm | Skin – 2 ppm |
| 2-Butoxyethanol | 111-76-2 | 1-5 | 50 ppm | 20 ppm |

Section 4: First Aid Measures

Eye Contact: Flush with large amounts of water for 15 minutes. If symptoms develop, seek medical attention.
Skin Contact: Wash affected area with water for 15 minutes. Remove contaminated clothing and launder before reuse.
Ingestion: Never give anything by mouth to an unconscious person. If person is conscious then give several glasses of water. Do not induce vomiting. Keep warm and quiet. Seek medical attention.
Inhalation: Remove from exposure. Seek fresh air. Keep warm and quiet. If symptoms worsen seek medical attention.

Section 5: Fire-Fighting Measures

Fire and Explosive Properties: Flash Point: Not Applicable Flammable Limits: LEL / UEL: Not Applicable
Extinguishing Media: Not Applicable
Protective Equipment: Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely. If involved in a fire the product may produce toxic fumes. Use water spray for diluting.

Section 6: Accidental Release Measures

Steps to be taken if Material is Spilled or Leaked:
Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection and respirator.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:
Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated.

Section 8: Exposure Controls and Personal Protection

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.
Respirator Protection: Wear approved acid/vapor/mist respirator. If working in a confined area it is highly suggested that an acid/vapor mist respirator be worn particularly while spraying the product.
Skin Protection: Wear acid resistant protective gloves, boots and clothing when working with the product concentrate or dilutions. Provide convenient safety showers.
Eye Protection: Wear splash proof goggles or side shield safety glasses. Provide convenient eyewash stations.

Section 9: Physical and Chemical Properties

| | | | |
|-------------------|---------------------------------|-------------------------------|----------------|
| Boiling Point: | 210°F | Vapor Pressure (mmHg @ 68°F): | Not Determined |
| Vapor Density: | Not Determined | Solubility in Water: | Complete |
| Specific Gravity: | 1.07 ± 0.05 | Melting Point: | Not Applicable |
| % Volatile: | Not Available | pH: | 1.0 ± 0.5 |
| Appearance/Odor: | Clear, Thin Liquid, Bland Odor. | | |

Section 10: Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur Conditions to Avoid: Not Applicable
Materials to Avoid: Strong alkalis, glass (etches) materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.)
Hazardous Decomposition Products: Possible phosphorus oxide and hydrogen fluoride fumes at fire temperatures. Contact with active metals can release flammable gas.

Section 11: Toxicology Information

IARC, NTP, OSHA Carcinogen: No known carcinogenic effects towards humans.

Section 12: Ecological Information

Not Available

Section 13: Disposal Considerations

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste. Rinse well before handling and disposal. Observe label precautions.

Section 14: Transport Information

D.O.T. REQUIREMENTS (49CFR 172.101): Poison, Corrosive Liquid, N.O.S., 8, UN2922, PGII (Contains Hydrofluoric and Phosphoric Acid)

Section 15: Regulatory Information

RQ (REPORTABLE QUANTITY) 49CFR 172.101:

| <u>Component</u> | <u>RQ (lbs)</u> | <u>For This Product</u> |
|-------------------|-----------------|-------------------------|
| Hydrofluoric acid | 100 | Not Determined |
| Phosphoric Acid | 5000 | Not Determined |

TSCA (Toxic Substances Control Act) Status: The intentional ingredients of this product are listed.

CERCLA RQ - 40CFR 302.4:

| <u>Component</u> | <u>RQ (lbs)</u> | <u>For This Product</u> |
|-------------------|-----------------|-------------------------|
| Hydrofluoric acid | 100 | Not Determined |
| Phosphoric Acid | 5000 | Not Determined |

SARA 302 COMPONENTS - 40CFR 355 Appendix A:

| <u>Component</u> | <u>RQ (lbs)</u> | <u>For This Product</u> |
|-------------------|-----------------|-------------------------|
| Hydrofluoric acid | 100 | Not Determined |

SECTION 311/312 HAZARD CLASS - 40CFR 370.2

| | | | |
|-----------|-----|----------------------------|-----|
| Immediate | (X) | Reactive | () |
| Delayed | (X) | Sudden Release of Pressure | () |
| Fire | () | | |

SARA 313 COMPONENTS - 40CFR 372.65:

| <u>Component</u> | <u>CAS #</u> | <u>Max %</u> |
|---------------------------------------|--------------|--------------|
| Hydrofluoric acid (Hydrogen Fluoride) | 7664-39-3 | 1-5 |
| Glycol Ether (2-Butoxyethanol) | 111-76-2 | 1-5 |

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

| <u>Ingredient</u> | | <u>Max. % By Wt.</u> | <u>LD50</u> | <u>LC50</u> |
|---------------------------------------|-----------|----------------------|-----------------------|-----------------------------|
| Phosphoric Acid | 7664-38-2 | 1-5 | Oral Rat - 1530 mg/kg | Not Established |
| Hydrofluoric acid (Hydrogen Fluoride) | 7664-39-3 | 1-5 | Not Established | Inhal Rat - 2042 ppm/30 min |
| 2-Butoxyethanol | 111-76-2 | 1-5 | Oral Rat - 470mg/kg | Inhal Rat - 450ppm/4H |

CALIFORNIA PROPOSITION 65: None

Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.