

## IRON OUT

## 1. Product and Company Identification

**Product Code:** 4335  
**Product Name:** IRON OUT  
**Revision:** 12/04/2017  
**Supersedes Revision:** 07/19/2016

**Manufacturer Information:**

**Company Name:** PDQ Manufacturing, Inc.  
 201 Victory Circle  
**Phone Number:** (706)636-1848

Ellijay, GA 30540

**Web site address:** www.pdqonline.com

**Emergency Contact:** Chemtrec, Reference: CCN203605 (800)424-9300  
**Information:** info@pdqonline.com (706)636-1848

**Supplier Name and Address:**

**Company Name:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B**

**Serious Eye Damage/Eye Irritation, Category 1**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H318 - Causes serious eye damage.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves and eye protection.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.  
 P310 - Immediately call a POISON CENTER or doctor/physician.  
 P321 - Specific treatment see appropriate section of the SDS.  
 P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
 P501 - Dispose of contents/container to trash after rinsing container.

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**Potential Health Effects****(Acute and Chronic):**

<b>Inhalation:</b>	May be harmful if inhaled.
<b>Skin Contact:</b>	Causes skin burns.
<b>Eye Contact:</b>	Causes eye burns.
<b>Ingestion:</b>	Causes gastrointestinal tract burns. Harmful if swallowed.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
79-14-1	Glycolic acid {Hydroxyacetic acid}	5.0 -10.0 %
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	1.0 -5.0 %
77-92-9	Citric acid	1.0 -5.0 %

**4. First Aid Measures****Emergency and First Aid****Procedures:**

<b>In Case of Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult a physician.
<b>In Case of Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid immediately.
<b>In Case of Ingestion:</b>	Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

**Signs and Symptoms Of****Exposure:**

Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis.

**5. Fire Fighting Measures**

<b>Flash Pt:</b>	NP	Method Used: Estimate
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	NP	
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.	
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Reacts with most metals in the presence of moisture, liberating extremely flammable hydrogen gas. Runoff from fire control or dilution water may cause pollution. Specific Hazard(s): Material will not burn.	
<b>Flammable Properties and Hazards:</b>	No data available.	

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## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Ventilate area and wash spill site after material pickup is complete. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling.

**Precautions To Be Taken in Storing:** No special storage requirements.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
79-14-1	Glycolic acid {Hydroxyacetic acid}	No data.	No data.	No data.
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	No data.	No data.	No data.
77-92-9	Citric acid	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. There are no special ventilation requirements.

**Work/Hygienic/Maintenance Practices:** Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Clear colorless liquid  
Fragrant odor.

**Melting Point:** 72.00 C - 159.00 C

**Boiling Point:** 100.00 C

**Autoignition Pt:** NP

**Flash Pt:** NP Method Used: Estimate

**Explosive Limits:** LEL: No data. UEL: No data.

**Specific Gravity (Water = 1):** ~ 1.05

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Evaporation Rate:** No data.

**Solubility in Water:** Complete

**Solubility Notes:** Miscible with water.

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Viscosity: Thin  
 pH: < 2.5  
 Percent Volatile: No data.

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** No data available.  
**Incompatibility - Materials To Avoid:** Bases, Avoid contact with metals. Acid chlorides, Oxidizing agents, Reducing agents, nitrates.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, irritating and toxic fumes and gases, formed under fire conditions. Carbon oxides.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. Toxicological Information

**Toxicological Information:** No data available.  
**Irritation or Corrosion:** Skin - rabbit - Mild skin irritation - -24 h.  
 Serious eye damage/eye irritation:  
 Eyes - rabbit - Severe eye irritation.  
**Carcinogenicity/Other Information:** 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.  
 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.  
 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.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
79-14-1	Glycolic acid {Hydroxyacetic acid}	n.a.	n.a.	n.a.	n.a.
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** No data available.

## 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
 RCRA P-Series: None listed.  
 RCRA U-Series: None listed.

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## 14. Transport Information

## LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Corrosive liquid, acidic, inorganic, n.o.s. (Glycolic acid, Ethanedioic acid, Dihydrate)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN3264

**Packing Group:** II



## 15. Regulatory Information

## EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
79-14-1	Glycolic acid {Hydroxyacetic acid}	No	No	No
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	No	No	No
77-92-9	Citric acid	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
79-14-1	Glycolic acid {Hydroxyacetic acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No
77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

## 16. Other Information

**Revision Date:** 12/04/2017

**Preparer Name:** Regulatory Affairs

**Hazard Rating System:**

HEALTH	2
FLAMMABILITY	0
REACTIVITY	2
PPE	B

**HMIS:**

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.