

SAFETY DATA SHEET

OMEGA IRON OUT FORMULA II

SECTION 1 – Chemical Product and Company Identification

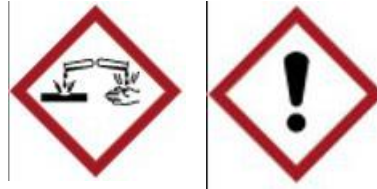
MSDS Name: Omega Iron Out Formula II
Synonyms: Stain Eliminator, HEDP,
Company Identification: Qualco, Inc. / 225 Passaic Street / Passaic, NJ 07055
Company Phone Number: 973-473-1222
Emergency Phone Number: CHEMTREC – 1-800-424-9300

SECTION 2 – Hazards Identification

Avoid breathing vapors or spray mists. Corrosive to eyes, irritating to the skin and respiratory systems.

Primary Route(s) of Entry:

Ingestion: ()
Inhalation: (X)
Skin Contact: (X)
Eye Contact: (X)



Primary Health Hazards (Acute and Chronic):

Acute:

Ingestion: Ingestion is not expected to be a primary route of exposure.

Inhalation: May be harmful if inhaled. Do not breathe spray mists of the undiluted product. Effects will depend upon solution strength and length of time of exposure.

Skin Contact: Hazardous in case of skin contact may produce burns. Itching, scaling, redness or occasional blistering characterizes skin inflammation.

Eye Contact: Very hazardous in case of eye contact (irritant, corrosive), redness watering and itching characterize inflammation of the eye.

Chronic:

Not toxic to aquatic organisms and not suspected of long term adverse effects in the aquatic environment.

Carcinogenicity Listings:

OSHA: ()
NTP: ()
IARC: ()

Signs & Symptoms of Exposure

Ingestion:
Inhalation:
Skin Contact:
Eye Contact:

SECTION 3 – Composition/Information on Ingredients

CAS NOS.: 2809-21-4
Chemical Name: 1-hydroxyethylidene-1, 1-disphosphonic acid
Also Contains: citric acid and water

SECTION 4 – First Aid Measures

Emergency and First Aid Procedures:

Ingestion: DO NOT induce vomiting. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one or two glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi comatose, comatose, or convulsing, DO NOT give fluids by mouth. In case of intentional ingestion of the product, seek medical assistance immediately; take individual to nearest medical facility.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing, or is cyanotic, seek medical attention immediately.

Skin Contact: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.

Eye Contact: Flush immediately with copious amounts of tap water or normal saline solution for a minimum of 15 minutes. Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluations.

SECTION 5 – Fire Fighting Measures

Fire and Explosion Hazard Data:

Flash Point (Closed Cup): >100oC (212oF). (Tagliabue).

Flammable Limits: Not Available

LEL:

UEL:

Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

Special Fire-fighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. (SCBA) and full turnout gear.

Unusual Fire and Explosion Hazards: None known

SECTION 6 – Accidental Release Measures

Steps To Be Taken In Case Material Is Spilled Or Released: IMPORTANT: Before responding to spill or leak from this product, review each section of this MSDS. Follow the recommendations given in the Handling Precaution sections. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of affected areas.

Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the products toxicological and chemical properties, and on the size and location of the spill, or leak access, the impact on contaminated environments (e.g. water systems, ground air equipments, etc.), there are not methods available to completely eliminate any toxicity this product many have on aquatic environments. Minimize adverse effects on these environments. Determine if Federal, State and/or local release notification is required. Recover as much of the pure product as possible into appropriate containers. Later determine if this recovered product can be used for its intended purpose. Address clean up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure product.

Flushing residual material to an industrial sewer, if present at the site of a spill, or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials.

SECTION 7 – Handling and Storage

Precautions To Be Taken In Handling and Storage: Rubber gloves, safety glasses or goggles , body protective clothing and shoes are required. Eyewash fountains in the workplace are recommended. If splashing can occur, a face shield is advisable. Provide dilution ventilation to control vapor and/or mist level. When misting may occur in the work area, a NIOSH/MSHA approved respirator may be required. Use a respirator approved for the material and level of exposure. A comprehensive respiratory protection program is needed when respirators must be used. The handling precautions for this product are based on characteristics of the neat product unless otherwise specified.

Other Precautions:

SECTION 8 – Exposure Controls, Personal Protection

Respiratory Protection: When misting may occur in the work area, a NIOSH/MSHA approved respirator may be required. Use a respirator approved for the material and level of exposure. A comprehensive respiratory protection program is needed when a respirator must be used.

Ventilation: Provide dilution ventilation to control vapor and/or mist level.

Local Exhaust:

Mechanical Exhaust:

Other Protective Clothing or Equipment: Rubber gloves, safety glasses or goggles, body protective clothing and shoes are required.

Work/Hygienic Practices: Eye wash fountains in the work place are recommended.

SECTION 9 – Physical and Chemical Properties

Boiling Point: 100°C (212°F)

Vapor Pressure (mm Hg): 17 mm of Hg (@20°C)

Vapor Density (Air=1): 1.46 g/cm³ @20°C (68°F)

Solubility in Water: Soluble in cold or hot water

Appearance: Clear colorless liquid

Odor: Characteristic odor

Specific Gravity: (H₂O=1)

Percent Volatile by Volume:

Melting Point: Not available

Evaporation Rate:

pH (Neat): Not Available

pH (100 ppm in water): Not available

o/w Partition Coefficient: Not available

Oxidizing/Reducing Properties: Not available

Viscosity: Dynamic: 64 Cp

Additional pH Information: pH (1% solution) = 2.0

SECTION 10 – Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatibilities with Other Materials: Strong oxidizers, strong bases.

Hazardous Decomposition Products: Oxides of both phosphorous and carbon; acids of phosphorous.

Hazardous Polymerization: Has not been reported.

SECTION 11 – Toxicological Information

Acute Toxicity:

Acute Oral: LD50=2000 mg/kg Rat

Acute Dermal: LD50=10000 mg/kg rabbit

Irritant Sensitization Effects: Very hazardous in case of eye contact (irritant, corrosive). Redness, watering and itching characterize inflammation of the eye. Hazardous in case of skin contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasional blistering.

Target Organ Toxicity: May cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

Reproductive and Development Toxicity:

Carcinogenicity: Not shown as a carcinogen by OSHA, IARC, or NTP.

Mutagenicity:

Other Health Effects: None Known.

SECTION 12 – Ecological Information

Aquatic Toxicity: Non-toxic to aquatic organisms and not suspected to long-term adverse effects in the aquatic environments.

LC50=>368 mg/l 96 hours Rainbow trout

LC50=527 mg/l 48 hours Daphnia magna

Avian Toxicity:

SECTION 13 – Disposal Considerations

Waste Disposal Method: Follow Federal, State and local regulations governing the disposal of waste materials.

Contaminated Materials: Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management.

SECTION 14 – Transport Information

US DOT

Shipping Name: Not Regulated

Hazard Class: Not applicable

UN Number: Not applicable

Packing Group: Not applicable

SECTION 15 – Regulatory Information

SARA Title III:

Section 302 Extremely Hazardous Substances List: No components of this product are listed.

Section 312 Hazard Category: Immediate (Acute) Health Hazard

Section 313 Toxic Chemical List: No components of this product are present above the de minimus levels

CERCLA: No components of this product are above de minimus levels.

FIFRA: This product is not a registered pesticide.

HMIS/NPCA Rating:

Health=2 Flammability=1 Reactivity= 1

NFPA Ratings:

Health=2 Flammability=1 Reactivity=1

State Regulations:

Various State Right To Know Acts: Non-proprietary hazardous chemicals are listed in Section II of this MSDS

SECTION 16 – Other Information

MSDS Creation Date: June 2010

Revision Date: December 2014

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.