MATERIAL SAFETY DATA SHEET

Section I – Product & Company Identification

Product Name: ZAGERS Z-101 RUST WORKS

Effective Date: 08/29/12

Company Information: Zagers Brand, Inc.

1312 Washington Street Orlando, FL 32805

Company Phone: 407-849-6163

Emergency Phone: Info Trac 1-800-535-5053

Section II - Hazardous Ingredients

 Component
 CAS #
 TLV (ppm)
 % (in prod.)

 Oxalic acid
 144-62-7
 1
 <2</td>

Sulfamic acid 5329-14-6 NA <3

Section III - Health Hazard

Acute Effects of Overexposure:

Skin: Irritant. May cause irritation and redness. Harmful if absorbed through skin.

Eyes: Irritant. Inflammation is characterized by redness, watering and itching.

Inhale: may cause respiratory irritation of the respiratory tract, protein in the urine, nosebleed, headache, coughing and vomiting. Ingest: Products containing oxalic acid are toxic because of the acidic and chelating properties. It is especially toxic when ingested because it can combine with calcium to form calcium oxalate which might precipitate in the kidney tubules and in the brain. Existing skin diseases may be aggravated by overexposure.

Chronic Effects of Overexposure: Repeated or prolonged exposure may produce defatting of the skin

HMIS Codes: Health 3; Flam. 0: React.0; Pers. Protection D

Carcinogenic effects: None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA

Section IV - First Aid Measures

First aid procedures:

Skin: Wash contaminated area with soap or mild detergent. Get medical attention. Wash clothing before reuse.

Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. If irritation develops consult a physician.

Inhale: If inhaled remove to fresh air. If not breathing give artificial respiration.

Ingest: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. If individual is alert, give plenty of water to drink. Never give anything by mouth to an unconscious person.

Notes to Physician: Treat symptomatically and supportively.

Antidote: Intravenous administration of calcium gluconate or calcium chloride may be required if hypocalcaemia or hypocalcaemia tetany occur.

Section V- Fire And Explosion Data

Flash Point (F) None

Flammable Limits: LEL: NA UEL NA

Fire Fighting Procedure: use water vapor, foam or fog. Firefighters should ware proper protective equipment.

Fire Hazard: NA

Section VI - Accidental Release Measures

Spill Clean Up: Wear appropriate protective equipment. Absorb with an inert material and put spilled material in appropriate waste disposal.

Section VII - Handling And Storage Procedures

Handling: Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.

Storage: Keep container in cool well ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

Section VIII - Exposure Controls, Personal Protection

Eye Protection: No special protection is required. Protective Clothing: No special protection is required.

Respiratory: No special protection is required.

Section IX - Physical And Chemical Data

Boiling Point (F) 212
Specific Gravity: 1.01 – 1.02
pH: <1.0
VOC content (%) <1
Evaporation Rate (Bu acetate=1) NA
Vap. Pressure (mm Hg) NA
Vap. Density NA
Solubility in Water: soluble

Appearance and Odor: clear thin liquid with faint apple fragrance

Section X - Reactivity Data

Stability: Stable

Incompatibility: ammonia, alkaline materials

Polymerization: Will not occur

Hazardous Decomposition: carbon monoxide, carbon dioxide and other organic materials.

Section XI – Toxicological Information

Toxicity to animals

2-butoxy ethanol Oral (LD50)

acute: 1746 mg/kg Rat (375 mg/kg for oxalic acid, 3160 for sulfamic acid)

Dermal (LD50) acute: 680 mg/kg Rabbit

Vapor (LC50) acute 450 ppm 4 hours Rat female

Section XII - Ecological Information

Ecological Information - not available Biodegradable/OECD - not available

Section XIII – Disposal Considerations

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Classification: hazardous waste, (RCRA waste)

Section XIV – Transport Information

Proper shipping name Corrosive liquid, acidic, organic, n.o.s. (Sulfamic acid and oxalic acid)

DOT classification DOT Class 8: Corrosive liquid

UN number 3265

Section XV - Regulatory Information

SARA 313 toxic chemical notification and release reporting - No products found

Clean Water Act (CWA) regulated substance – no product found

Clean Air Act (CAA) 112 regulated toxic substances - no product found

Section XVI - Other Information

To the best of our knowledge 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.