

SAFETY DATA SHEET

Product Name : ChemWorld Rust Citric

Date Issued : May 20, 2022

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemWorld Rust Citric
Formula : Multi-component mixture

Chemical Synonym / C# : c310, ASCC#050
Chemical Family: Mild acid

Supplier : ChemWorld.com 885 Woodstock Road, Ste 430-111 Rosewell, GA 30075

Information Telephone : (800)658-7716 or **Emergency Telephone :** 1-855-347-8203

SECTION 2 : HAZARD IDENTIFICATION

Form : Powder **Color :** Clear, water-white

Emergency Overview : Solutions are eye and skin irritants, and prolonged or repeated contact may cause irritation. Mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

OSHA Hazard Communication Standard : This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

GHS Classification :

Eye Irritation (Category 2B Mild Irritant)

Skin Irritation (Category 3 Mild Irritant)

Label Elements :

Signal Word : Warning

GHS Hazard Pictograms : N/A

Hazard Statements :

H303 May be harmful if swallowed

H316 Causes mild skin irritation

H320 Causes eye irritation

Precautionary Statements :

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

P301 + P330 + P331 + P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.. call a POISON CENTER or doctor/physician IF you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification :

None known. See Section 11 for Potential Health Hazards

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Citric Acid	77-92-9	10 - 30

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

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SECTION 4 : FIRST AID MEASURES

Eye Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

Skin Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment. Clean contaminated clothing before reuse.

Inhalation: Move victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give 1-2 glasses of water to drink, if conscious and alert.

Notes to physician : treat symptomatically. No specific antidote available. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media: None required.

Fire Fighting Procedures: Use caution when fighting any fire. Adequate respiratory protection is essential.

Unusual Fire and Explosion Hazards: None known.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions : Use suitable protective equipment (See Section 8 : "Exposure controls / personal protection").

Steps to be taken in case material is released or spilled:

Small Spill: Absorb with suitable absorbent such as sand or vermiculite.

Large Spill: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

Solid spill: Sweep up and return to container.

SECTION 7 : HANDLING AND STORAGE

Handling: Handle with care. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Storage Requirements: Keep container closed. Store in an area that is dry and well-ventilated, away from incompatible materials (see section 10). For Industrial and commercial use only!

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Citric Acid	-	-

Engineering measures :

Ventilation / Local Exhaust : General room ventilation.

Ventilation / Mechanical Recommendations: None required.

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Personal protective equipment :

Respiratory Protection: Not required for properly ventilated areas.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Clear, water-white liquid, odor nil.

Water Solubility: complete

pH (1%): 2.5 - 3.0

Specific Gravity: 1.12

Boiling Point (°F) : N/A

Evaporation Rate(water=1): N/A

% Volatile: N/A

Vapor Density(air=1) : N/A

Vapor Pressure(mmHg): N/A

Flash Point : None

Flash Point Method Used: N/A

Flammable Limits: LEL = N/A UEL = N/A

SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: None.

Chemical Stability: Stable.

Conditions to Avoid: Splashing solutions, prolonged skin contact.

Incompatibility with other Substances: Strong bases and oxidizing agents.

Hazardous Polymerization: Will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Data: Toxicological studies were not performed on the blended product, although it is considered to be a severe eye irritant, and moderately irritating to the skin.

Toxicological Data (as Citric Acid):

Acute toxicity : LD50/p.o./ rat = 11,700 mg/kg

LD50/i.p./rat = 885 mg/kg

LD50/p.o./mouse = 5,040 mg/kg

LD50/l.p./mouse = 961 mg/kg

local effects = irritating to eyes and skin

chronic toxicity = none

human experience = health injuries are not known or expected under normal use.

Carcinogenicity: This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

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SECTION 12 : ECOLOGICAL INFORMATION

Exotoxicological Information: No data found for this blended product.

Ecological Information (as Citric Acid) :

Mobility : Completely soluble.

Chemical Oxygen Demand (COD) = 728 mg O₂/g

Biological Oxygen Demand / 5 days (BOD) = 528 mg O₂/g

Readily biodegradable = 98% after 2 days

Bioaccumulation = None

Ecotoxicity effects = Toxicity to fish (LC50/96h/goldfish) = 440 - 706 mg/l

Toxicity to bacteria (ECO) = > 10,000 mg/l

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Method: Neutralize spent solutions to an acceptable pH level. Allow oils to separate and decant if possible. Detergent portion is 100% biodegradable.

Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No

If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (855) 347-8203

UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information: NOT REGULATED BY DOT (mildly acidic cleaning liquid NOIBN)

SECTION 15 : REGULATORY INFORMATION

US FEDERAL REGULATIONS :

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

CERCLA RQ - 40 CFR 302.4(a) : none

SARA 302 Components - 40 CFR 355 Appendix A : none

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SARA 311/312 Classification - 40 CFR 370.2 :

none

SARA 313 Components - 40 CFR 372.65: None

INTERNATIONAL REGULATIONS :

None known as Citric Acid

STATE REGULATIONS :

California Safe Drinking Water Act (Prop. 65) Listing : None listed.

Other Regulations / Legislation which apply to this product: None known.

SECTION 16 : OTHER INFORMATION

NFPA Rating : HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Revision Date : May 20, 2022

Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.