

SAFETY DATA SHEET

EFFECTIVE: January 20, 2021

This Safety Data Sheet conforms to the format requirements of the Global Harmonizing System and complies with Hazard Communication Standard (HCS) of 29 CFR 1910.1200.

SECTION 1: IDENTIFICATION

LEVEL 7 CHEMICAL, INC.
253 STURGIS RD
CONWAY, AR 72034
1-855-927-1777

PRODUCT IDENTITY:
COMMON NAME OR SYNONYMS:
PRODUCT USE:

CITRIC ACID, 50% AQUEOUS SOLUTION, TECH GRADE
2-HYDROXY-1,2,3 PROPANETRICARBOXYLIC ACID
FOR INDUSTRIAL AND MANUFACTURING USE
ONLY

24 Hour Emergency Phone:

CHEMTREC: 800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

WARNING! Irritant (skin and eye)

HAZARD STATEMENTS:

(H300s) HEALTH: Skin Corrosion/Irritation: Category 2

H315 CAUSES SKIN IRRITATION

(H300s) HEALTH: Serious Eye Damage/Eye Irritation: Category 2A

H319 CAUSES SERIOUS EYE IRRITATION

(H300s) HEALTH: Acute Toxicity/Oral: Category 5

H303 MAY BE HARMFUL IF SWALLOWED



PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P264 Wash exposed skin thoroughly after handling
P280 Wear protective gloves and eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment-Rinse contacted area well with water
P332+P313 If skin irritation occurs: Get medical advice/attention
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before use.

Reference: GHS Purple Book-Annex 3

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	WT%
CITRIC ACID	77-92-9	49.8 – 50.2
WATER	7732-18-5	49.8 – 50.2

SECTION 4: FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT- FLUSH EYE WITH WATER 15 MINUTES OR LONGER

SKIN CONTACT- RINSE CONTACTED AREA WELL WITH WATER

INHALATION – CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL.

IF SWALLOWED- RINSE (DO NOT SWALLOW) MOUTH WITH PLENTY OF WATER, CONTACT POISON CENTER FOR ADVICE/ASSISTANCE IF UNWELL

SECTION 5: FIRE-FIGHTING MEASURES

FIRE & EXPLOSION PREVENTION MEASURES: NON-FLAMMABLE LIQUID

SUITABLE EXTINGUISHING MEDIA: EXTINGUISHING AGENTS APPROPRIATE FOR SURROUNDING FIRE

NON-SUITABLE EXTINGUISHING MEDIA: NONE KNOWN

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: FIREFIGHTERS SHOULD WEAR PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS FOR FIGHTING SURROUNDING FIRE

HAZARDOUS COMBUSTION PRODUCTS: TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: EQUIPMENT SHOULD BE ADEQUATE TO PREVENT SKIN & EYE CONTACT.

EMERGENCY PROCEDURES: EVACUATION NOT REQUIRED; WATERPROOF CLOTHING RECOMMENDED IF LARGE SPILL—BOOTS

METHODS AND MATERIALS FOR CONTAINMENT: USE STANDARD CONTAINMENT SOCKS, PADS & PILLOWS FOR CONTAINMENT; NO KNOWN RESTRICTION ON MATERIAL FOR SHORT-TERM DRAIN COVERS

CLEANUP PROCEDURES: NEUTRALIZE WITH EXCESS SODA ASH OR SODIUM BICARBONATE; MIX AND SCOOP UP SLURRY AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINER, WASH RESIDUAL WITH WATER. CONTAINERS SHOULD BE TRANSPORTED AND DISPOSED OF ACCORDING TO LOCAL AND REGIONAL AUTHORITIES.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: USE NORMAL SAFETY PROCEDURES AVOIDING DIRECT CONTACT WITH EYES AND SKIN. USE GOOD PERSONAL HYGIENE AND GOOD HOUSE KEEPING PROCEDURES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

KEEP CONTAINERS SEALED WHEN NOT IN USE TO AVOID SPILLS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

MATERIAL	CAS #	EINECS #	TWA (OSHA)	TLV (ACGIH)
Citric Acid	77-92-9	-	None Known	None Known

APPROPRIATE ENGINEERING CONTROLS: USE IN ENCLOSED SYSTEM WHEN POSSIBLE, USE CORROSION RESISTANT STORAGE TANKS TRANSFER LINES.

RESPIRATORY EXPOSURE CONTROLS—USE NIOSH/OSHA APPROVED RESPIRATOR

VENTILATION LOCAL OR SPECIAL—LOCAL IS RECOMMENDED

INDIVIDUAL PROTECTION MEASURES SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION—OSHA STANDARD SAFETY GLASSES WITH SIDE SHIELDS & CHEMICAL GOGGLES IF CONTACT LIKELY

SKIN PROTECTION—PROTECTIVE GLOVES RECOMMENDED AND APRONS OR APPROPRIATE WORK CLOTHING & BOOTS IMPERVIOUS TO MATERIAL. PVC OR NITRILE RECOMMENDED.

HYGIENE MEASURES—PROVIDE READILY ACCESSIBLE EYE WASH AND SAFETY SHOWERS; WASH HANDS PRIOR TO EATING; DESTROY CONTAMINATED LEATHER WEAR AND LAUNDRY OR DESTROY CONTAMINATED CLOTHING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE—CLEAR TO SLIGHT YELLOW LIQUID

LOWER FLAMMABLE LIMIT—NOT APPLICABLE

UPPER FLAMMABLE LIMIT—NOT APPLICABLE

ODOR—MILD

ODOR THRESHOLD—NOT AVAILABLE

VAPOR PRESSURE (MMHG)—NOT AVAILABLE

VAPOR DENSITY (AIR=1)—NOT AVAILABLE

pH < 1

RELATIVE DENSITY—1.240-1.245 @ 25°C

MELTING POINT—NOT APPLICABLE

FREEZE POINT—NOT AVAILABLE

SOLUBILITY—INFINITE

INITIAL BOILING POINT—NOT AVAILABLE

FLASH POINT—NOT APPLICABLE

EVAPORATION RATE—NOT AVAILABLE

FLAMMABILITY—NOT APPLICABLE

PARTITION COEFFICIENT (N-OCTANOL/WATER)—NOT AVAILABLE

AUTO-IGNITION TEMPERATURE—NOT APPLICABLE

DECOMPOSITION TEMPERATURE—NOT AVAILABLE

VISCOSITY—NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY AND CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS; NO STABILIZERS REQUIRED. CORROSIVE TO COPPER, ZINC, ALUMINUM

CONDITIONS TO AVOID: EXCESS HEAT

INCOMPATIBLE MATERIALS: AMINES, HEAVY METALS, STRONG OXIDIZING AGENTS, STRONG BASES

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HAZARDS:

EYE & SKIN—MAY CAUSE IRRITATION TO SKIN
MAY CAUSE IRRITATION TO EYES

INHALATION—MIST MAY CAUSE IRRITATION

SWALLOWING—MAY CAUSE IRRITATION IF SWALLOWED. INGESTION OF LARGE QUANTITIES
MAY CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED:

PRE-EXISTING DISORDERS OF ANY TARGET ORGANS IDENTIFIED IN THIS DOCUMENT CAN BE
AGGRAVATED BY OVER-EXPOSURE OF THIS PRODUCT BY ROUTES IDENTIFIED IN THIS
DOCUMENT-PERSONS WITH SUCH DISORDERS SHOULD AVOID USE OF THIS PRODUCT.

CHRONIC HAZARDS:

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS

THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA OR ACGIH GREATER
OR EQUAL TO 0.1%

TARGET ORGANS—MAY CAUSE DAMAGE BASED ON ANIMAL STUDIES

IRRITANCY—IRRITATING TO CONTAMINATED TISSUE

SENSITIZATION—NO COMPONENT KNOWN AS SENSITIZER

MUTAGENICITY—NO KNOWN REPORTS OF MUTAGENIC EFFECTS IN HUMANS

EMBRYOTOXICITY—NO KNOWN REPORTS OF EMBRYOTOXIC EFFECTS IN HUMANS

TERATOGENICITY—NO KNOWN REPORTS OF TERATOGENIC EFFECTS IN HUMANS

REPRODUCTIVE TOXICITY—NO KNOWN REPORTS OF REPRODUCTIVE EFFECTS IN HUMANS

MAMMALIAN TOXICITY INFORMATION:

LD50 (ORAL, RAT)—10,800 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

EFFECTS OF MATERIAL ON PLANTS AND ANIMALS: THIS PRODUCT MAY BE HARMFUL TO PLANT
AND ANIMAL LIFE IF RELEASED INTO THE ENVIRONMENT-NOT CLASSIFIED FOR AQUATIC TOXICITY

BIOCHEMICAL OXYGEN DEMAND (BOD)—UNKNOWN

CHEMICAL OXYGEN DEMAND (COD)—UNKNOWN

ECOTOXICITY—LC50: 880 mg/L (Leuciscus idus)

EFFECTS OF MATERIAL ON AQUATIC LIFE: NO AQUATIC ENVIRONMENTAL INFORMATION IS
AVAILABLE ON THIS PRODUCT

MOBILITY IN SOIL: MOBILITY OF THIS MATERIAL HAS NOT BEEN DETERMINED

DEGRADABILITY: THIS PRODUCT IS COMPLETELY BIODEGRADABLE

ACCUMULATION: BIOACCUMULATION UNLIKELY

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE PRODUCT SHOULD NOT BE DISPOSED OF TO THE SEWER UNLESS FULLY COMPLIANT WITH ALL REGULATORY AUTHORITIES THAT HAVE JURISDICTION TO REGULATE DISPOSAL BY SUCH MEANS. UNUSED OR CONTAMINATED PRODUCT SHOULD BE DISPOSED OF IN ORIGINAL CONTAINER BY A WASTE DISPOSAL CONTRACTOR LICENSED TO HANDLE THIS PRODUCT. INSTRUCTIONS FOR RESPONSIBLE COLLECTION OF TOTES ARE DISPLAYED ON TOTES—THEY SHOULD BE IN “DRIP DRY” STATE FOR PICKUP. ALL OTHER CONTAINERS SHOULD BE COLLECTED BY AN AUTHORIZED RECYCLER IF POSSIBLE AND SHOULD BE IN A “DRIP DRY” STATE.

SECTION 14: TRANSPORT INFORMATION

DOT/TDG SHIP NAME: NOT REGULATED
 DRUM/TOTE LABEL: NONE
 SPECIAL PRECAUTIONS: NONE

SECTION 15: REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Immediate (acute) Health Hazard
 All components of this product are on the TSCA (ACTIVE) list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater than or equal to 1%.

**STATE REGULATIONS:**

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS:

The identified components of this product are: listed (X), not listed (NL) or not determined (ND) on the chemical inventories of the following countries: Australia (AICS)-X, Canada (DSL or NDSL)-X, China (IECSC)-X, Europe (EINECS or ELINCS)-X, Japan (METI/CSCL, MHLW/ISHL)-X, South Korea (KECI)-X, New Zealand (NZIoC)-ND, Philippines (PICCS)-X, Switzerland (SWISS)-X, Taiwan (NECSI)-X, USA (TSCA)-X.

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: IRRITATING TO SKIN/EYES
 CLASS E: CORROSIVE MATERIAL

SECTION 16: OTHER INFORMATION

HAZARD RATINGS:

NFPA: HEALTH: 1, FLAMMABILITY: 0, INSTABILITY/ REACTIVITY: 0

HMIS: HEALTH: 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0

This information is intended solely for individuals trained in NFPA & HMIS hazard warning systems.

EMPLOYEE TRAINING:

EMPLOYEES SHOULD BE MADE AWARE OF ALL HAZARDS STATED IN THIS SDS.

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