Citric Acid, Anhydrous



Section 1

Section 2

Product Description

Product Name: Recommended Use: Synonyms: Distributor: Citric Acid, Anhydrous Ammonia Absorber 2-Hydroxy-1,2,3- propanetricarboxylic Acid WD Service Company, Inc. 780 Creek Road, Bellmawr, NJ 08031 800-366-9326 800-366-9326 (8am - 5pm (ET) M-F) 800-424-9300 (24 hour Emergency Number)

Chemical Information: Chemtrec:

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

WARNING



Causes serious eye irritation.

GHS Classification:

Serious Eye Damage/Eye Irritation Category 2A, Skin Corrosion/Irritation Category 3

Section 3		Composition / Infor	mation on Ingr	edients		
<u>Chemical Name</u> Citric Acid, Anhydrous Bromothymol Blue So	dium Salt		<u>CAS #</u> 77-92-9	<u>%</u> 99.99 00.01		
Section 4		First Aid	d Measures			
Emergency and First / Inhalation: Eyes:	In case of acci IF IN EYES: R		veral minutes. Remove c	ontact lenses, if present and easy		
Skin Contact: Ingestion:	to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. After contact with skin, wash immediately with plenty of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Firefighting Procedures					
Section 5 Extinguishing Media: Fire Fighting Methods	and Protection:	Use dry chemical, CO2 or ap Firefighters should wear full p	propriate foam.	NIOSH approved self-contained		
Fire and/or Explosion Hazards: Hazardous Combustion Products:		breathing apparatus. Fire or excessive heat may produce hazardous decomposition products. Carbon dioxide, Carbon monoxide				
Section 6		Spill or Leak Pro	cedures			
Steps to Take in Case Released or Spilled:	F	lo health affects expected from the object of the object of the object of the object of the generation of dusts during the generation of dusts during the generation of dusts during the object of the obje	nent recommendations for	ial if contact can be avoided. ound in Section 8 of this (M)SDS		

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7

Section 8

Handling and Storage

Handling:Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.Storage:Keep container tightly closed in a cool, well-ventilated place.Storage Code:Green - general chemical storage

Protection Information

	ACGIH		OSHA PEL		
<u>Chemical Name</u> Citric Acid	(TWA) N/A	<u>(STEL)</u> N/A	(TWA) N/A	(STEL) N/A	
Control Parameters					
Engineering Measures:	No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.				
Personal Protective Equipment (PPE):					
Respiratory Protection:	No respiratory protection required under normal conditions of use. NIOSH approved air purifying respirator with dust/mist filter.				
Respirator Type(s):					
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.				
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.				
Gloves:	Butyl rubber, Natural la	tex,, Neoprene, Nitrile,	Polyvinyl chloride		
Cootion 0	Disso				

Section 9

Physical Data

Formula: C6H8O7 Molecular Weight: 192.13 Appearance: Colorless to White Crystalline Solid Odor: None Odor Threshold: No data available pH: 2.1, conc: 0.1 M (solution) Melting Point: 153 C Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: No data available

Reactivity Data

Specific Gravity: 1.665

Solubility in Water: Soluble

Log Pow (calculated): -1.72

Viscosity: No data available

Reactivity: Chemical Stability: Conditions to Avoid: Incompatible Materials: Hazardous Decomposition Products: Hazardous Polymerization: Not generally reactive under normal conditions. Stable under normal conditions. Exposure to moisture Strong oxidizing agents, Strong reducing agents, Metals, Metal Nitrates, Caustics (bases) Carbon oxides Will not occur

Vapor Pressure: 1.7x10-8 mm Hg @ 25 C (est)

Evaporation Rate (BuAc=1): No data available

Vapor Density (Air=1): No data available

Autoignition Temperature: 1010 - 1011 C

Percent Volatile by Volume: No data available

Decomposition Temperature: 175 C

Section 11

Section 10

Toxicity Data

Routes of Entry Symptoms (Acute): Delayed Effects:

Inhalation and ingestion. No data available, Hypotension, Hyperkalemia, Metabolic Acidosis No data available

Acute Toxicity: Chemical Name Citric Acid, Anhydrous

CAS Number 77-92-9 Oral LD50 Oral LD50 Rat 3000 mg/kg Dermal LD50 Not determined Inhalation LC50 Not determined

Carcinogenicity: Chemical Name Citric Acid, Anhydrous	77	CAS Number 7-92-9	IARC Not listed	Not listed	TP I Not	OSHA t listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. No evidence of negative reproductive effects. See Section 2 Not listed as a carcinogen by IARC, NTP or OSHA.					
Section 12		Ec	ological E	Data		
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects:	This material is Dissolved into v	vater, Biodegrada n is not expected	very high mobil tion	ecology. ity in soil. It does r	not absorb to mc	ost soil types.
Chemical Name Citric Acid, Anhydrous	-	7-92-9 9		OMIS MACROCH PHNIA MAGNA 12		L [STATIC]
Section 13		Dispo	osal Inforr	nation		
Disposal Methods: Waste Disposal Code(s	contact			Federal, State ar) to assure compli		ons. Always
Section 14		Trans	port Infor	mation		
Ground - DOT Proper Shipping Name:Air - IATA Proper Shipping Name:Not regulated for transport by US DOT.Not regulated for air transport by IATA.						
Section 15		Regula	atory Info	rmation		
TSCA Status:	All com	ponents in this pro	oduct are on the	TSCA Inventory.		
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Citric Acid, Anhydrous	77-92-9	No	No	No	No	No

Section 16

Additional Information

Revised: July 21, 2023

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. WD Service Compay, Inc. makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health