

Section 1 - Chemical Product and Company Identification

COMPANY NAME: ZUNYI CITY BEI YUAN CHEMICAL CO., LTD

ADD: ZUNYI CITY GUIZHOU PROVINCE, CHINA

Telephone : 86 851 27751258

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Emergency number: 86 851 27751258

Product Name: Gallic Acid

Trade/Chemical Synonyms: 3,4,5-Trihydroxy Benzoic Acid, 99%

Formula: $C_7H_8O_6$

RTECS: None

C.A.S: 5995-86-8

EINES#: 205-749-9

Health: 2

Flammability: 0

Instability: 1

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

NA = Not Applicable

NE = Not Established

Section 2 Component Mixture

Component	CAS Number	%	Dim	Exposure Limits:
Water	7732-18-5	Balance	W/V	None Established
Deionized ASTM Type II	5995-86-8	<5%	W/V	TXDS: orl-rbt LD: 5 mg/Kg
Gallic Acid	5995-86-8		W/V	

Section 3 Hazard Identification (Also see section 11)**EMERGENCY OVERVIEW**

Warning! Causes eye, skin, and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

Section 4 First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: N/A

Lower: N/A

Explosion Limits: Not available

Upper: Not available

NFPA Rating: health: 2; flammability: 0; instability: 1;

Section 6 Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Section 7 Handling and Storage

Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from light.

Section 8 Exposure Controls & Personal Protection

Chemical Name ACGIH NIOSH OSHA-Final PELs

Gallic acid None listed None listed None listed

OSHA Vacated PELs: Gallic acid: None listed

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 Physical and Chemical PropertiesMolecular Formula: C₇H₈O₆

Molecular Weight: 188.13

White to off-white solid.

Melting Point: 250 °C Specific Gravity 1.69 at 6.1°C

Boiling Point: Information not available Percent Volatile by Volume: >95%

Vapor Pressure: Information not available Evaporation Rate: Information not available

Vapor Density: Information not available Evaporation Standard: Information not available

Solubility in Water: Slightly Soluble Auto ignition

Temperature: Not applicable

Appearance and Odor: Clear grey-brown liquid / None Lower Flamm.

Limit in Air: Not applicable

Flash Point: Information not available Upper Flamm.

Section 10 Stability and Reactivity Information

Stability: Light sensitive. Hygroscopic: absorbs moisture or water from the air.

Conditions to Avoid: Incompatible materials, light, dust generation, excess heat, exposure to moist air or water.

Materials to Avoid: Oxidizers, ferric salts, alkali hydroxides

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will Not Occur

Section 11 Additional Information

RTECS#: CAS# 5995-86-8: LW7525000

LD50/LC50:

RTECS:

CAS# 5995-86-8: Oral, rabbit: LD50 = 5 gm/kg;

Carcinogenicity: Gallic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not Regulated.

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). WGK (Water Danger/Protection)

CAS# 5995-86-8: 1

Canada

CAS# 5995-86-8 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 5995-86-8 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 5995-86-8 is listed on the TSCA Inventory.

Section 16 - Other Information

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:1 Date Entered: 8/16/2009 Approved by: WPF

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from our company or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.