

Section 1: Identification

Product Name	Pyrogallic ACS Reagent (Pyrogallic Acid)
Commercial Name	Not available.
Product Use	Not available.
Restrictions On Use	For Laboratory And Manufacturing Use Only, Not For Drug, Food, Or Household Use
Product Code	30-1506
Company	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300
	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760

Section 2: Hazard(s) Identification

OSHA Haz Com:	Acute oral toxicity Category 3 Acute dermal toxicity Category 4 Acute Inhalation Toxicity Category 4 Skin
CFR 1910.1200	Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2 Germ Cell Mutagenicity
	Category 2
Signal Word	WARNING
Hazard Statement(s)	Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. May form combustible dust concentrations in air.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Avoid breathing dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Wear protective gloves/protective clothing/eye protection/face protection
Response	IF SWALLOWED: Immediately call a POISON CENTER/doctor IF ON SKIN: Wash with plenty of soap and water IF INHALED: Remove person to fresh air and keep comfortable for breathing IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing IF exposed or concerned: Get medical advice/attention Call a POISON CENTER/doctor if you feel unwell Rinse mouth Take off contaminated clothing
Storage	Store locked up.
Disposal	Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Pyrogallol
% By Weight	>95
CAS#	87-66-1
Molecular Weight	126.11 g/mole
Chemical Formula	C6H3(OH)3
Synonym(s)	Pyrogallol; 1,2,3-Trihydroxybenzene; 1,2,3-benzenetriol

Mixtures	Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
	Pyrogallic acid	87-66-1	100	Not available.	ORAL (LD50):Acute: 300mg/kg [Mouse]. 1600 mg/kg (Rabbit).

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.

Immediate Medical Attention

Treat symptomatically

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.**Unsuitable Extinguishing Media**

Not available.

Products of CombustionCarbon monoxide (CO). Carbon dioxide (CO₂). Water.**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. **Environmental Precautions:** Should not be released into the environment. See Section 12 for additional Ecological Information. Avoid release to the environment. Collect spillage. Do not flush into surface water or sanitary sewer system. **Methods for Containment and Clean Up:** Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance. **Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight. Store under an inert atmosphere. **Incompatible Materials:** Bases. Alkaline. Acid anhydrides. Acid chlorides. Metals. Oxidizing agent.

Section 8: Exposure Controls/Personal Protection**Exposure Limits**

Not available.

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Personal Protection

Eye Protection: Goggles Hand Protection: Protective gloves Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly Recommended Filter type: Particulates filter conforming to EN 143 When RPE is used a face piece Fit Test should be conducted Environmental exposure controls: Prevent product from entering drains. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Section 9: Physical and Chemical Properties

Appearance	Solid. (powder.) Color: White.		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	131 - 135 °C / 267.8 - 27	pH	5.8 1% aq. solution
Freezing Point	Not available.	Vapor Pressure	13.3 hPa @ 168 °C
Boiling Point/Range	309 °C / 588.2 °F	Vapor Density	4.4
Decomposition temperature	293 °C	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Not available.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Air sensitive. Light sensitive.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid dust formation. Incompatible products. Excess heat. Exposure to air. Exposure to light.
Incompatible Materials	Bases, Alkaline, Acid anhydrides, Acid chlorides, Metals, Oxidizing agent
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Water

Section 11: Toxicological Information

RTECS	UX2800000
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Acute Toxicity

LD50 Oral: LD50 = 300 mg/kg (Mouse)

Skin Corrosion/Irritation

Irritating to eyes and skin

Serious Eye Damage/Irritation

Irritating to eyes and skin

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Eyes. Skin.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment

Persistence and Degradability

Soluble in water Persistence is unlikely based on information available

Bioaccumulative Potential

Not available.

Mobility in Soil

Will likely be mobile in the environment due to its water solubility.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA). DOT UN-No UN2811 Proper Shipping Name Toxic solid, organic, n.o.s. Technical Name Pyrogallol Hazard Class 6.1 Packing Group III

Section 15: Regulatory Information**Regulations**

Not available.

Other

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC);DSCL (EEC) R36/38- Irritating to eyes and skin.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.