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Section I - Product Identification

Product: A dilute aqueous solution of acid fuchsin and picric acid.

Intended Uses: A dilute solution used as a general laboratory reagent.

Uses advised against: For laboratory use only.

Manufacturer Identification

Medical Chemical Corp.
19430 Van Ness Ave.
Torrance, CA 90501

Customer Service: Phone (310)787-6800
Email. Christinaavena@med-chem.com
FAX (310)787-4464

Emergency Telephone Number

CHEMTREC Emergency Response Telephone Number: (800)424-9300. Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.



Section II - Hazard Identification

This item is considered hazardous by 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Eye damage/eye irritation: Category 2B (H320). Causes serious eye irritation.

Acute toxicity (Oral): Category 5 (H303). May be harmful if swallowed.

Acute toxicity (Dermal): Category 5 (H313). May be harmful in contact with skin

Corrosion: (H290). May be corrosive to metals.

Signal word: Warning

Hazard Statement:

According to the harmonized classification and labeling recommended by OSHA and the EU this solution is Irritating to the eye, skin and respiratory system. the toxicology of this solution have not been completely examined.

Precautionary statements

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P363 Wash contaminated clothing before reuse.

Safety Ratings

Health: Slightly hazardous *Flammability:* None *Reactivity:* Unstable if heated *Contact:* Slight

Recommended safety equipment: Not normally required.

NFPA Ratings

Health = 1 Flammability = 0 Reactivity = 2

Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other solutions of dilute acids.

Inhalation: May be Irritating to respiratory tract.

Ingestion: While the toxicity of this compound is low, large doses will cause nausea, vomiting, diarrhea, etc

Skin contact: May cause skin damage. May cause skin irritation or aggravation of existing dermatitis.

Eye contact: A serious eye irritant.

Chronic Exposure: Unknown.

Aggravation of preexisting conditions: Unknown.

Section III - Composition/Information on Components

Ingredient	CAS #	EC List #	% w/w
Picric acid	88-89-1	201-865-9	1%
Acid fuchsin	3244-88-0	221-816-5	0.05%

Section IV - First Aid Measures

Inhalation: Unlikely to be an issue. Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Do not induce vomiting. Contact a poison control center immediately

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice.

Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Fire: Not normally a fire hazard.

Explosion: Picric acid can be an explosion hazard if concentrated and dried. Also, metal salts of picric acid, e.g. lead picrate, are extremely explosive.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent such as paper towels and store in a suitable container for disposal.

Section VII - Handling and Storage

P403+P233+P102; Store in a well-ventilated place. Keep container tightly closed. Keep out of reach of children.

Section VIII - Exposure Control/Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Picric acid	0.1 mg/m ³ TWA (Skin)	0.1 mg/m ³ TWA (Skin)	75 mg/m ³
Acid fuchsin	No data	No data	No data

Legend

ACGIH: American Conference of Governmental Industrial Hygienists.

OSHA: Occupational Safety and Health Administration.

NIOSH: National Institute for Occupational Safety and Health.

IDLH: Immediately dangerous to life or health.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but may be used as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practices

Section IX - Physical and Chemical Properties

Boiling Point: 100 °C

Vapor pressure (mm Hg): 18 @ 20 °C

Density: About 1.00 g/ml

Evaporation Rate (water = 1): 1

Vapor Density (air = 1): 0.6
Appearance and Odor: A clear red solution.

Solubility: Miscible with water

Section X - Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Decomposition Products: No known hazardous decomposition products.

Hazardous polymerization: Will not occur.

Incompatibilities: Picric acid can form explosive metal picrates when in contact with metals.

Conditions to avoid: Heat and light.

Section XI - Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Picric acid	200 mg/kg (Rat)	No data	No data
Acid fuchsin	No data	No data	No data

Cancer lists

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Picric acid	No	No	No	No

Section XII - Ecological Information

This product is not expected to bioaccumulate. The product biodegrades quickly and does not contain endocrine disrupters, persistent organic pollutants or ozone depleters.

Soil Mobility: Unknown

Environmental Fate: Biodegradable

Environmental Toxicity: The product has low environmental toxicity.

Component	Freshwater Fish	Water Flea	Freshwater algae
Picric acid	LC50 170 mg/l 96 h	EC50 112 mg/l	No Data
Acid fuchsin	No data	No data	No data

Section XIII - Disposal Considerations

Ultimate authority on drain disposal resides with local government agencies. Jurisdictions usually require that the pH of the effluent from the building not be lower than 4. Additionally they restrict the drain disposal of picric acid to avoid the formation of metal picrates. Insure compliance with all government regulations. Dilute acids are corrosive to metal plumbing.

Section XIV - Transportation Information

Not regulated by DOT or IATA.

Section XV - Regulatory Information

Chemical Inventory Status

Ingredient	TSCA	EC
Picric acid	Yes	Yes
Acid fuchsin	Yes	Yes

Federal and State Regulations

Ingredient	SARA 302		SARA 313		RCRA 261.33	TSCA 8(D)	Ca. Prop 65
	RQ	TPQ	List	Category			
Picric acid	No	No	Yes	No	No	No	No
Acid fuchsin	No	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

Section XVI - Other Information

This information is believed to be correct at the time of publication but is not guaranteed as such, nor does it purport to be all inclusive. Medical Chemical Corp. assumes no liability for the accuracy or completeness of the information. The user assumes all responsibility for compliance with federal, state and local laws.

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