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Section I - Product Identification

Product: An aqueous solution of new methylene blue and potassium oxalate.

Intended Uses: An in-vitro diagnostic stain intended to be used for staining reticulocytes.

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 not considered hazardous by 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). May causes skin irritation.

Eye damage/eye Irritation: Category 2 (H319). May cause serious eye irritation.

Acute toxicity (Oral): Warning acute toxicity oral (H302). Harmful if swallowed.

Acute toxicity (Inhalation): Warning acute toxicity inhalation (H332). Harmful if inhaled.

Acute toxicity (Dermal): Warning acute toxicity dermal (H312). Harmful in contact with skin

Safety Ratings

Health: None *Flammability:* None *Reactivity:* None *Contact:* Slight

Recommended safety equipment: Not normally required.

Storage: General storage

NFPA Ratings

Health = 1 Flammability = 0 Reactivity = 0

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 dilute oxalate solutions.

Inhalation: May be Irritating to respiratory tract.

Ingestion: While the toxicity of this compound is low, ingestion may cause nausea, vomiting, diarrhea, etc

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

Eye contact: May be irritating.

Chronic Exposure: Unknown.

Aggravation of preexisting conditions: Unknown.

Section III - Composition/Information on Components

Ingredient	CAS #	EC/List No.	%
New Methylene Blue	1934-16-3	217-696-9	< 1% w/w
Potassium Oxalate	583-52-8	209-506-8	< 2% w/w

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: Unlikely to be an issue. Get medical advice for exceptional cases.

Skin Contact: Unlikely to be an issue. Wash affected area with soap and water. Get medical advice if irritation develops.

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

Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Fire: Not normally a fire hazard.

Explosion: Not Normally an explosion hazard.

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 and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed opaque container at controlled room temperature, 59 °F to 86 °F (15 °C to 30 °C). Protect from freezing.

Section VIII - Exposure Control/Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
New Methylene Blue	Not regulated	Not regulated	Not regulated
Potassium Oxalate	Not regulated	Not regulated	Not regulated

Legend

ACGIH: American Conference of Governmental Industrial Hygienists.

OSHA: Occupational Safety and Health Administration.

NIOSH IDLH: National Institute for Occupational Safety and Health immediately dangerous to life or health.

Airborne Exposure Limits: See section III.

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 recommended as part of good laboratory practices.

Section IX - Physical and Chemical Properties

Boiling Point: 100 °C

Vapor pressure (mm Hg): 18 @ 20 °C

Vapor Density (air = 1): 0.6

Appearance and Odor: A purple, odorless solution..

Density: About 1.01 g/ml

Evaporation Rate (water = 1): 1

Solubility: Infinitely miscible with water

Section X - Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Decomposition Products: The manufacturer knows of no known hazardous decomposition products.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual

Conditions to avoid: Nothing unusual.

Section XI - Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
New Methylene Blue	No data	No data	No data
Potassium Oxalate	No data	No data	No data

The product is non-toxic by ingestion or inhalation.

Cancer lists

<i>Ingredient</i>	<i>Known Carcinogenicity?</i>	<i>NTP?</i>	<i>Anticipated?</i>	<i>IARC Category</i>
New Methylene Blue	No	No	No	None
Potassium Oxalate	No	No	No	None

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.

Section XIII - Disposal Considerations

Not normally restricted but ultimate authority resides with local government agencies. Insure compliance with all government regulations.

Section XIV - Transportation Information

Not regulated by DOT or IATA.

Section XV - Regulatory Information

Chemical Inventory Status

<i>Ingredient</i>	<i>TSCA</i>	<i>EC</i>
New Methylene Blue	Yes	Yes
Potassium Oxalate	Yes	Yes

Federal, State and International Regulations

<i>Ingredient</i>	<i>SARA 302</i>		<i>SARA 313</i>		<i>RCRA</i>	<i>TSCA</i>	<i>Ca. Prop 65</i>
	<i>RQ</i>	<i>TPQ</i>	<i>List</i>	<i>Category</i>	<i>261.33</i>	<i>8(D)</i>	
New Methylene Blue	No	No	No	No	No	No	No
Potassium Oxalate	No	No	No	No	No	No	No

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

SARA 311/312: *Acute:* Yes, *Chronic:* Yes, *Fire:* No, *Pressure:* 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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