

TECRA™ RAPPAPORT-VASSILIADIS R10 BROTH

MATERIAL SAFETY DATA SHEET

Non-Hazardous Substance According to Approved Criteria of NOHSC

COMPANY DETAILS:

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IDENTIFICATION

Product Code: RVRMED
Other Names: None allocated
Poisons Schedule: Not listed
Dangerous Goods Class and Subsidiary Risk: None allocated
UN Number: Non allocated
Hazchem Code: None allocated
Product Use: Dehydrated microbiological culture medium

PHYSICAL DATA

Appearance: Fine, pale green, odourless powder
Melting Point: No data available
Boiling Point: No data available
Vapour Pressure: No data available
Specific Gravity: No data available
Flash Point: None flammable
Explosion Data: No data available
Water Solubility: Soluble in water
Other Properties: None relevant

INGREDIENTS

Type	Chemical Name	CAS No.	Proportion	Risk Phrases
Type 1	Magnesium chloride	7786-30-3	50.4%	R36/37/38
Type 2	None present			
Type 3:	Malachite green Other ingredients determined not to be hazardous	569-64-2	0.27%	R20/21

HEALTH HAZARD INFORMATION

Primary Hazard: Irritant, Xi

Acute Ingested: Ingestion may cause irritation of upper gastrointestinal tract, including mouth and oesophagus.

Acute Inhaled: Inhalation of dust may cause irritation of the respiratory tract, causing coughing, wheezing and general respiratory discomfort.

Acute Skin: Prolonged or repeated exposure may cause skin irritation, including reddening and itchiness..

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- Acute eyes:** Presence of dust particles in eye(s) may cause irritation leading to reddening and watering of eye..
- Chronic Effects:** Cases of poisoning by Magnesium chloride have arisen where this material has been used medicinally and the patient has a damaged alimentary canal or impaired renal function, resulting in the rapid absorption of magnesium ions into the bloodstream and causing electrolyte imbalance.

FIRST AID

- Ingested:** Rinse out mouth with water and drink 1 –2 glasses of water. Seek medical advice if symptoms develop or persist. Never give anything by mouth to an unconscious person.
- Inhaled:** Remove victim from area to fresh air environment. Loosen clothing and, if conscious, have a qualified person administer oxygen. If unconscious, have a qualified person administer resuscitation procedure. Seek medical advice.
- Eye (s):** Irrigate thoroughly with clean water for at least 15 minutes, holding eyelids apart to ensure thorough rinsing. As with all incidents involving the eye, it is advisable to seek medical advice.
- Skin:** Wash thoroughly with plenty of soap and water. Seek medical advice if symptoms develop and/or persist.
- First Aid Facilities:** Eyewash facilities, safety shower, normal washroom facilities.
- Advice to Doctor:** Treat symptomatically. Contact local Poisons Information Centre for further advice.

PRECAUTIONS FOR SAFE USE

- Exposure Standards:** No exposure standards are documented for this substance, but the maximum level of non-toxic, inspirable dust in any workplace should not exceed 10mg/m³. (NOHSC)
- Engineering Controls:** Use with local exhaust ventilation or in a fume hood conforming to AS 2243.
- Personal Protection:** Where ventilation is inadequate, the wearing of an air purifying respirator with a filter conforming to AS 1715/1716 requirements is recommended, together with safety glasses with side shields conforming to AS/NZS 1337, vinyl or latex rubber gloves and suitable protective clothing such as a long sleeved laboratory coat or gown. Avoid eye contact, do not breathe dust and do not eat, drink or smoke when handling this substance. Always wash hands after handling.
- Flammability:** Non-flammable under conditions of use.

SAFE HANDLING INFORMATION

- Storage and Transport:** No special transport conditions are necessary for this substance. When handling, do not eat, drink or smoke and avoid breathing dust. Store the product in a cool (<25°C) environment, away from direct sunlight.
- Spills and Disposal:** Sweep up and collect into suitable screw capped containers and store to await collection for transport to an approved waste disposal site. Avoid raising dust.

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Fire/Explosion Hazard: Combustible solid material. As with many organic materials, large quantities may form flammable dust clouds in air. The substance will decompose at temperatures above 300°C, i.e. fire conditions, to produce chlorine, carbon dioxide and carbon monoxide.

Suitable extinguishing media: Water fog or fine spray, foam, dry chemical, carbon dioxide fog. Firefighters to wear normal fire fighting uniform and equipment.

OTHER INFORMATION

Hazard Category: Irritant, Xi
Risk Phrases: R36/37/38
Safety Phrases: S22 – Do not breathe dust
S38 – In case of insufficient ventilation, wear suitable respiratory equipment.
S26: - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25 Avoid contact with skin and eyes
S37/39 – Wear suitable gloves and eye/face protection.

Toxicology Data: (MgCl₂) Oral (rat) LD50 2800mgm/kg
(MgCl₂) Oral (Mouse) LD50: 4700mgm/kg
(MgCl₂) Intraperitoneal (mouse): 342mgm/kg

Irritation Data: No data available
Ecological Toxicity: No data available
Biodegradability: No data available
Environment Persistence: No data available

CONTACT POINT

Tecra International believes that the information provided in this document is believed to be correct at the time of writing but does not purport to be all inclusive, since health data and regulatory safety standards may be subject to change and the conditions of use of the product are beyond our control. Tecra International makes no warranty, either expressed or implied as to the accuracy or totality of the information supplied and accepts no responsibility for results that may be obtained by the user of the product. Each user should consider the information in this Material Safety Data Sheet in the context of how the product will be handled and used in the workplace, including use in conjunction with other products. If clarification or further information for risk assessment is needed, the user should contact Tecra International on (02) 8977 3000.

This MSDS is valid for 5 years from the issue date unless superceded before.