

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	RV Selective Medium		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	517/372-9200
	620 Lesher Place	Fax No.:	517/372-0108
	Lansing, Michigan 48912	e-mail:	www.neogen.com
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Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD ₅₀
Magnesium Chloride	N/A	N/A	ORL-RAT, 2.80 g/kg
Sodium Chloride, NaCl, Common salt	N/A	N/A	ORL-RAT, 3 g/kg

Section III – Physical Characteristics	
Boiling Point: 1413°C (Sodium Chloride)	Specific Gravity (H₂O = 1): 2.32 g/cm ³ (Magnesium Chloride) 2.16 g/cm ³ (Sodium Chloride)
Vapor Pressure (mm Hg.): 865°C (Sodium Chloride)	Melting Point: 714°C (Magnesium Chloride) 804°C (Sodium Chloride)
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Insoluble (Magnesium Chloride), 35.7 g/100 g at 0°C (Sodium Chloride)	
Appearance and Odor: Blue crystals or flakes. Characteristic odor. (Magnesium Chloride) Colorless crystals or white powder. Characteristic odor. (Sodium Chloride)	

Section IV – Fire and Explosion Hazard Data	
Flash Point (Method Used): N/A	Flammable Limits: LEL (Lower Explosive Limit) – N/A UEL (Upper Explosive Limit) – N/A
Extinguishing Media: Suitable extinguishing agents. CO ₂ , extinguishing powder or water spray.	
Special Fire Fighting Procedures: Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus. Remove contaminated clothing immediately.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: When mixed with water, heat generated may be sufficient to cause frothing.
	Stable	X	
Incompatibility (Materials to Avoid): Incompatible with strong oxidizers and most common metals.			
Hazardous Decomposition or Byproducts: Chlorine (Cl), Carbon monoxide (CO), Carbon dioxide (CO ₂) and Hydrogen chloride (HCl).			
Hazardous Polymerization	May Occur		Conditions to Avoid: Incompatible materials.
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic)	Irritant. Irritating to eyes, respiratory system and skin		
Carcinogenicity:	NTP? No (National Toxicology Program)	IARC Monographs? No (International Agency for Research in Cancer)	OSHA Regulated? No
Signs and Symptoms of Exposure: Irritant to skin and mucous membranes. Irritating effect to eye. Ingestion can irritate gastrointestinal tract causing nausea, vomiting and diarrhea.			
Medical Conditions Generally Aggravated by Exposure: No sensitizing effects known.			
Emergency / First Aid Procedures	Ingestion: If swallowed, seek medical attention immediately.		
	Inhalation: Supply fresh air or oxygen. Seek medical attention immediately. In case of unconsciousness, place patient on side position for transportation.		
	Eye Contact: Immediately rinse opened eye for at least 15 minutes under running water. Seek medical attention.		
	Skin Contact: Immediately wash with plenty of soap and water for at least 15 minutes.		

Section VII – Precautions for Safe Handling and Use	
Accidental Release Measures: Wear suitable protective clothing. Wipe up with damp sponge and mop.	
Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations.	
Handling and Storing: Keep container tightly closed. Protect from moisture. Store away from oxidizing agents.	
Other Precautions: Prevent formation of dust. Ensure good ventilation / exhaustion at the workplace	

Section VIII – Control Measures		
Respiratory Protection (Specify Type): None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respiratory or dust mask.		
Ventilation	Local Exhaust: 50 – 100 CFM	Special
	Mechanical (General): N/A	Other
Protective Gloves: Proper disposable gloves		Eye Protection: Safety goggles
Other Protective Clothing or Equipment: Uniform, lab coat, or disposable lab wear.		
Work / Hygienic Practices: Follow the usual precautionary measures for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing.		

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.