

MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity:	Alert[®] for Sulfites		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	517/372-9200
	620 Leshar Place	Fax No.:	517/372-0108
	Lansing, MI 48912	e-mail:	foodsafety@neogen.com
Date Prepared or Revised: October 2013	Chemtrec: (800) 424-9300 Outside US and Canada: (703) 527-3887		

Section 2. Composition / Information on Hazardous Ingredients			
This product is a mixture of the substances listed below with the addition of nonhazardous materials.			
Hazardous Components Specific Chemical Identity:	CAS-No.	%	Hazard Symbol
Methanol (Dye Reagent)	67-56-1	90%	T (Toxic), F (Flammable)

Section 3. Health Hazard Identification	
Health Hazards: <i>(Acute and Chronic)</i>	Information pertaining to particular dangers for man and environment. R 11 / 23 / 24 / 25 / 39 / 23 / 24 / 25, Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic, danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Section 4. First Aid Measures	
Emergency / First Aid Procedures:	Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately. Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention immediately. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention immediately. Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse.

Section 5. Fire and Explosion Hazard Data	
Flash Point: 53.6°F	Flammable Limits: LEL – 6.0 vol % UEL – 31.00 vol%
Extinguishing Media: Use alcohol foam, dry chemical, or carbon dioxide. Water may be ineffective. Use water spray to cool unopened containers.	
Protective Equipment: Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks, or flames. Sensitive to static discharge. Firefighters should wear protective equipment and self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.	

Section 6. Accidental Release Measures

Personal Precautions: Wear suitable protective clothing, gloves, and eye protection. Remove all sources of ignition. Ensure adequate ventilation.

Environmental Precautions: Prevent dispersion of material. Wipe up with damp sponge or mop. Should not be released into environment.

Clean-up Methods: Contact safety officer if questions arise and ventilate area.

Section 7. Handling and Storage

Handling: Protect against physical damage. Ensure good ventilation / exhaustion and do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched.

Storage: Keep container tightly closed. Keep away from heat, sparks, flame and incompatible material. Storage area should be cool, dry, and away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues.

Other Precautions: Keep respiratory protective device available.

Section 8. Exposure Controls / Personal Protection

Components with limit values that require monitoring:

Methanol (67-56-1)

OSHA-PEL: 200 ppm TWA; 260 mg/m³ TWA (Methanol)

TLV: 200 ppm (Methanol)

Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing. In the event of use above flash point, use in closed systems. Do not use compressed air by filling, discharging or handling the product. Proper ventilation required. Safety shower and eye bath. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment:

Keep away from food, beverages, and feed.
Wash hands before and after entering laboratory.

Breathing Equipment: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hand Protection: Use chemical resistant gloves.

Eye Protection: Wear safety glasses.

Body Protection: Wear lab coat or other protective work clothing.

Section 9. Physical and Chemical Properties

Appearance and Odor: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Density: Not determined

Section 10. Stability and Reactivity

Stability:	Unstable		Conditions to Avoid: Avoid heat, sources of ignition, moisture, shock, and friction. May degrade on exposure to light.
	Stable	X	
Incompatibility (Materials to Avoid): Incompatible with strong oxidizing agents, reducing agents, acids, acid chlorides, acid anhydrides, and strong bases.			
Hazardous Decomposition or Byproducts: Carbon monoxide (CO), and Formaldehyde			
Hazardous Polymerization:	May Occur		Conditions to Avoid: Incompatible materials.
	Will Not Occur	X	

Section 11. Toxicological Information

LD/LC50 values that are relevant:

LD₅₀: ORL-RAT, 5628 mg/kg (Methanol)

Carcinogenicity Classification:

IARC (International Agency for Research on Cancer) – Not Listed

NTP (National Toxicology Program) - Not Listed

Eye: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

Inhalation: Harmful if inhaled. May cause adverse central nervous system effects including headache and convulsions.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects. Prolonged exposure may cause liver, kidney, and heart damage.

Additional toxicological information: Any toxin(s) present in this kit are at concentration levels below the regulatory threshold limits which require registration under the Select Agent Program in as detailed in 42 CFR Part 73, 9 CFR Part 121, and 7 CFR Part 331.

Section 12. Ecological Information

Ecotoxicity Tests: LC₅₀: > 10000 mg/l 96h Pimephales promelas (Methanol)

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations.

RCRA P-Series: None listed.

RCRA U-Series: CAS# 67-56-1: waste number U154; (Ignitable waste)

Contact a licensed professional waste disposal service to dispose of this material if questions arise.

Container Information: Do not remove labels from containers until they have been cleaned.

Section 14. Transport Information**DOT Regulations:**

Hazard Class: 3 (6.1)
Identification Number: UN 1230
Packing Group: II
Proper Shipping Name: Methanol
Remarks: Excepted quantity.

Land Transport ADR/RID (cross-border):

Hazard Class: 3 (6.1)
Identification Number: UN 1230
Packing Group: II
Proper Shipping Name: Methanol
Remarks: Excepted quantity.

Maritime Transport IMDG:

Hazard Class: 3 (6.1)
Identification Number: UN 1230
Packing Group: II
Proper Shipping Name: Methanol
Remarks: Excepted quantity.

Air Transport ICAO-TI and IATA-DGR:

Hazard Class: 3 (6.1)
Identification Number: UN 1230
Packing Group: II
Proper Shipping Name: Methanol
Remarks: Excepted quantity.

Section 15. Regulatory Information**EU Regulations, Hazard Symbol(s):****Methanol: T (Toxic), F (Flammable)****Risk Phrases:****Methanol:** R 11 / 23 / 24 / 25 / 39, Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic, danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.**Safety Phrases:****Methanol:** S 7 / 16 / 36 / 37 / 45, Keep container tightly closed. Keep away from sources of ignition, no smoking. Wear suitable protective clothing and gloves. In case of accident or if you become ill, seek medical advice immediately (show product label).**SARA311/312**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

California Proposition 65

Methyl Alcohol CAS No. 67-56-1

State Right-to-Know

Massachusetts

Methyl alcohol CAS No. 67-56-1

New Jersey

Methyl alcohol CAS No. 67-56-1

Pennsylvania

Methyl alcohol CAS No. 67-56-1

Illinois

Methyl alcohol CAS No. 67-56-1

Rhode Island

Methyl alcohol CAS No. 67-56-1

Section 16. Other Information

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.