

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	AluSpray, AluShield		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	859 254 1221
	944 Nandino Blvd	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	inform@neogen.com
Date Prepared or Revised: 12/17/04			

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		
Contains Aluminum Powder 1-5%, CAS 7429-90-5	5 mg/m ³	5 mg/m ³	No data available		
Propane 10-30% CAS 74-98-6	No data available	2400 ppm	No data available		
Isobutane 10-30% CAS 75-28-5	No data available	800 ppm	No data available		
Butane 40-70% CAS 106-97-8	800 ppm	800 ppm	No data available		

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): 0.37
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): 2.5 to 4	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Not soluble	
Appearance and Odor: Grey oily liquid (aerosol) with no particular odor.	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): Aluminum base- >100°C (212°F). Propellant is flammable	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Water, CO ₂ , Dry Chemical	
Special Fire Fighting Procedures: Wear full faceplate and NIOSH-approved self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: Flammable propellant under pressure.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: N/A
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Strong oxidizing agents, strong acids.			
Hazardous Decomposition or Byproducts: Carbon monoxide			
Hazardous Polymerization	May Occur		Conditions to Avoid: Avoid breathing sprayed powder. Keep away from ignition sources.
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-Primary	Skin-Minor	Ingestion-Minor
Health Hazards (Acute and Chronic)	May cause central nervous system (CNS) depression. May cause headache, nausea, dizziness, vomiting and incoordination. May be irritating to respiratory tract. Consult a physician immediately		
Carcinogenicity: NTP- No (National Toxicology Program)	IARC Monographs-No (International Agency for Research in Cancer)	OSHA Regulated-Yes Flammable Propellant	
Signs and Symptoms of Exposure: May cause a mild irritation to skin. Long-term or repeated contact may result in dermatitis(dry, red, cracked skin). May cause redness and swelling on eye contact. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.			
Medical Conditions Generally Aggravated by Exposure: No applicable information found.			
Emergency / First Aid Procedures	Ingestion: NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.		
	Inhalation: If irritation or difficulty breathing results, give oxygen. If not breathing, give artificial respiration and consult a physician immediately.		
	Eye Contact: Rinse with water for 20 minutes while holding the eyelids open. Seek immediate medical attention..		
	Skin Contact: Wash with soap and water. If irritation persists, seek medical attention.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Clean up with soap and warm water.
Waste Disposal Method: Take cans to appropriate facility for pressurized can disposal.
Handling and Storing: Use adequate ventilation. Contents under pressure, keep away from heat and flame.
Other Precautions: Keep out of reach of children.

Section VIII – Control Measures		
Respiratory Protection (Specify Type):		
Ventilation	Local Exhaust: Adequate	Special
	Mechanical (General):	Other
Protective Gloves: Yes, to avoid staining hands and clothes.	Eye Protection: N/A	
Other Protective Clothing or Equipment: Apron or lab coat to avoid staining clothes.		
Work / Hygienic Practices: Normal work and hygienic practices.		

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.