

HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT	Fire	2	Reactivity
	Health	2	
		0	Special
		0	

MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Date Prepared: 4-11-12

SECTION 1 - PRODUCT IDENTIFICATION

Company Name	Multi-Steam	Emergency Telephone No.	203-626-7759
Address	Wallingford, Connecticut	Information Telephone No.	203-626-7759
Product Name / ID#	Spotter 501 (1169)	Product Type	Emulsifying Degreaser <input checked="" type="checkbox"/> Proprietary Product

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Isopropyl Alcohol	67-63-0	< 10%	400 ppm (ACGIH)
* Ammonia	766-41-7	< 5%	50ppm (ACGIH)

* Substances Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

SECTION 3 - PHYSICAL DATA

Boiling Point (°F)	approx 212°F	Specific Gravity (H ₂ O=1.0)	0.98 ± 0.005	pH	NA	% VOC (ww)	6%
Solubility in Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)						
Evaporation Rate (vs H ₂ O)	<input checked="" type="checkbox"/> Faster <input type="checkbox"/> Slower <input type="checkbox"/> About the Same		Vapor Pressure	Unknown	Vapor Density	NA	

Appearance and Odor Clear, colorless liquid. Citrus odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	108°F	<input type="checkbox"/> None to boiling	Flammable Limits	Upper	NE	Lower	NE
Extinguishing Media	Water fog, Foam, CO ₂ (Carbon Dioxide), Dry Chemical.						
Special Fire Fighting Procedures	Water stream may spread fire - use water spray only to cool containers exposed to fire.						
Unusual Fire Explosion Hazards	NA						

SECTION 5 - REACTIVE DATA

Stability	Stable	Incompatibility	Strong oxidizing agents. Acids.
Hazardous Decomposition Products	Gaseous ammonia, oxides of nitrogen.		

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable	Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation
Signs Symptoms of Over-exposure (Acute)	May cause severe eye irritation. Frequent or prolonged contact may irritate the skin and cause dermatitis. Ingestion may cause nausea, vomiting and diarrhea. Excessive inhalation of ammonia vapors are highly irritating to throat, may cause headache, coughing and difficulty breathing.		
Signs Symptoms of Over-exposure (Chronic)	Unknown		
Medical Conditions Aggravated by Over-exposure	May aggravate an existing dermatitis condition or lung disorders.		
Carcinogen/Suspected Carcinogen Ingredients:	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> None		

SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

Eyes	Flush with large amounts of water for 15 minutes. If irritation persists, call physician.
Skin	Wash with plenty of water (or soap & water) for 10-15 minutes. Remove any contaminated clothing & wash before reuse.
Ingestion	Do NOT induce vomiting. Give 1-2 glasses of water to dilute stomach contents. Get medical attention immediately.
Inhalation	Remove to fresh air. If qualified, give oxygen or artificial respiration as needed and/or seek medical help.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None normally required if good ventilation is maintained. Otherwise use organic vapors respirator.
Ventilation requirements	<input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical As needed to keep below any listed TLV and/or for general good ventilation.
Protective Gloves	Solvent resistant type.
Eye Protection	Safety goggles.
Other Protective Clothing	Other impervious clothing, as usage condition warrants, to prevent skin contact.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled	Dike area to contain spill. Small spills may be soaked up with compatible absorbent. Large spills should be vacuumed up. Transfer material to suitable container(s) for disposal.
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Waste Disposal Methods Check all federal, state and local governmental regulations. If allowed, incineration is the recommended

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage	Store in cool area away from sources of ignition. Keep away from children. preferred method of disposal.
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