

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name	Product Code
Hema-Diff™ Solution 1	11985-x
Manufacturer's Name	Emergency Telephone Number
StatLab Medical Products, Inc.	800-424-9300
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
407 Interchange st.	800-442-3573 x 2
McKinney Tx 75071	Date Prepared
	4/20/2005 Supersedes 3/19/03
	Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Methyl Alcohol	67-56-1	200/250			100%
Fast Green <1%	2353-45-9				<1.0

Section 3. Hazards Identification

Emergency Overview

Potential Health Effects

Eye	Irritant. Continued exposure may cause eye lesions.
Skin	Methyl Alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur; symptoms may parallel inhalation exposure.
Ingestion	Toxic. Symptoms parallel inhalation. Can intoxicate and cause blindness. Usual fatal dose: 100-125 milliliters.
Inhalation	A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse up to 30 hours later.
Carcinogenicity	Not classified as a human carcinogen.
Teratology	
Reproduction	
Mutagenicity	

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Section 4. First Aid Measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.. GET MEDICAL ATTENTION IMMEDIATELY
Skin	Flush skin with plenty of soap and water for at least 15 minutes and wash contaminated clothing before reuse. GET MEDICAL ATTENTION IMMEDIATELY.
Ingestion	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. GET MEDICAL ATTENTION IMMEDIATELY.
Notes to Physician	Effects may be delayed. Ethanol may inhibit methanol metabolism.
All Other Means of Exposure	CONTACT POISON CONTROL CENTER IMMEDIATELY. Be prepared to provide hazardous ingredient information from Section 2

Section 5. Fire Fighting Measures

Flammable Properties	Flash Point	54 F	Method	
Flammable Limits	Lower	6.0	Upper	36
Autoignition Temperature		464C (874°F)		
Hazardous Combustion Products				
Extinguishing Media	Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective.)			

General Information	In the event of the fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.
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Section 6. Accidental Release Measures

Spills/Leaks	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in section 8. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and place in chemical waste container.
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Section 7. Handling and Storage

Handling/Storage Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapors), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Do not get on skin or in eyes. Do not ingest or inhale. Do not pressurize, cut weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well ventilated area away from incompatible substances.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Respiratory Protection Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Skin Protection Wear appropriate protective clothing to prevent skin exposure.

Eye Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Permissible Exposure Levels (see also Section 2)

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Methyl Alcohol	67-56-1	200/250			100%
Fast Green <1%	2353-45-9				<1.0

Section 9. Physical and Chemical Properties

Boiling Point	147°F	Specific Gravity (H2O = 1)	0.08
Vapor Pressure (mm Hg)	97@20°C	Freezing Point	-144.4 F
Vapor Density (AIR = 1)	1.1	Evaporation rate (BuAc=1)	5.9
Solubility in Water	Miscible in water.	Physical State	Liquid
Appearance and Odor	Clear light green; pungent odor	Other	

Section 10. Stability and Reactivity

Chemical Stability Stable under normal temperatures and pressures.

Conditions to Avoid High temperatures, incompatible materials, ignition sources.

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Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, formaldehyde.
Hazardous Polymerization	Will not occur.
Incompatibilities with Other Materials	Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastic, rubber, and coatings. May react with metallic aluminum and generate hydrogen gas.

Section 11. Toxicological Information

RTECS:	CAS# 67-56-1:PC1400000.
	CAS# 2353-45-9:BQ4425000.
LD50/LC50:	CAS# 67-56-1:
	Inhalation, rat: LC50=64000 ppm/4H
	Oral, Mouse: LD50=7300 mg/kg
	Oral, Rabbit: LD50=14200 mg/kg
	Oral, Rat: LD50=5628 mg/kg
	Skin, Rabbit: LD50=15800 mg/kg
	CAS# 2353-45-9:
	Oral, Rat: LD50=>2 gm/kg
Carcinogenicity:	CAS# 67-56-1: Not listed as carcinogen by ACGIH, IRAC, NIOSH, NTP, OSHA, or CA Prop 65.
	CAS# 2353-45-9
	IRAC: Group 3 carcinogen
Epidemiology:	No information available
Neurotoxicity:	No information available
Other:	See actual entry in RTECS for complete information.

Section 12. Ecological Information

Ecotoxicity:	Goldfish (fresh water), 250 ppm/11H, death. Aquatic toxicity rating: TL _m 96>1000 ppm.
Environmental:	No information reported.
Physical:	No information available.
Other:	None.

Section 13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.	
RCRA P SERIES WASTES:	None of the components are on this list.
RCRA U SERIES WASTES:	CAS# 67-56-1: waste number U154 (Ignitable waste).

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Section 14. Transport Information

US DOT (domestic ground)

Methanol Solution, 3, II, UN1230

IATA (air)

Methanol Solution, 3, 6.1, II, UN1230

Section 15. Regulatory Information

ATF DISTILLED SPIRITS ACT: Use of ethyl alcohol without prior payment of applicable excise tax is strictly controlled by regulations promulgated and enforced by the Bureau of Alcohol, Tobacco and Firearms (ATF), Department of the Treasury. Governing Regulations have been defined in Title 27, Code of Federal Regulations.

TOXIC SUBSTANCE CONTROL ACT (TSCA) This product is listed in the TSCA Inventory of Chemical Substances.

Section 16. Other Information

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration to its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and STATLAB MEDICAL PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.