

MATERIAL SAFETY DATA SHEET

SCRAM BLOOD Blood
and Protein Spotter

MSDS No: 6039
Date Prepared: 11/19/2003
Date Revised: 11/19/2003

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: SCRAM BLOOD Blood and Protein Spotter

PRODUCT CODE: 6039110

MANUFACTURER

Warco Laboratories Company, Inc.
67 Forest Street
Marlborough, MA 01752

Warco Telephone Number: 800-421-2768
Emergency Telephone (24 hours): 800-228-5635
CHEMTREC (U.S./Can.): 800-424-9300
CHEMTREC (Int'l): +1 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Water	7732-18-5	60 - 100	NA	NA
Triethanolamine	102-71-6	1 - 5	NA	5 mg/m3
			400 ppm 980	400 ppm 983
Isopropyl alcohol	67-63-0	1 - 5	mg/m3 /	mg/m3 /
			500 ppm 1225	500 ppm 1230
Tall oil fatty acid	61790-12-3	1 - 5	mg/m3	mg/m3
Nitilotriacetic acid	139-13-9	< 0.1	NA	NA
Ammonia	7664-41-7	0.1 - 1	50 ppm 35 mg/m3	25 ppm 17 mg/m3 /
			/	35 ppm 24 mg/m3
			35 ppm 27 mg/m3	

NA - Not Available

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Light Green Liquid . Ammonia Odor. May Cause Eye Irritation.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE: Eye Skin Contact Skin Absorption
 Inhalation Ingestion

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause eye irritation. Symptoms may include redness and pain.

SKIN: May cause mild skin irritation. Symptoms may include redness.

INGESTION: May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

INHALATION: High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated contact may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED: May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention if irritation develops.

SKIN: Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

INGESTION: Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: > 93°C (200°F)TCC

FLAMMABLE LIMITS: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Normal products of combustion (carbon monoxide and carbon dioxide) and nitrogen oxides.

FIRE AND EXPLOSION HAZARDS: None known.

FIRE FIGHTING INSTRUCTIONS: This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING: Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes. Wash thoroughly after handling. Remove saturated clothing. Wash clothing and equipment before reuse.

STORAGE: Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits (See Section 2, Composition/Information on Ingredients).

PERSONAL PROTECTION

EYE: Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

SKIN: Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

RESPIRATORY: No respiratory protection is required if ventilation is adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Ammonia

APPEARANCE: Clear, Light Green

pH: 9.4 to 10.4

PERCENT VOLATILE BY WEIGHT: 100

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING/MELTING POINT: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 1.00

VISCOSITY: Water Thin

OCTANOL/WATER PARTITION COEFFICIENT: Not Available

ODOR THRESHOLD: Not Available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known.

INCOMPATIBLE MATERIALS: Oxidizers (e.g., bleach).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA: This product causes mild eye and skin irritation. Based on acute toxicity testing, it is not considered to be toxic by ingestion.

The following data are available for this product and its ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
SCRAM BLOOD Blood and Protein Spotter	> mg/kg	Not Available	Not Available
Water			
Triethanolamine	4000 - 9110 mg/kg	2000 mg/kg	Not Available
Isopropyl alcohol	4710 mg/kg	12870 mg/kg	17000 ppm (4-hr)
Tall oil fatty acid	10000 mg/kg	Not Available	Not Available
Nitilotriacetic acid	1100 mg/kg	Not Available	Not Available
Ammonia	350 mg/kg	Not Available	3670 ppm (4-hr)

SENSITIZATION DATA: No data available.

CHRONIC DATA:

Prolonged overexposure to high concentrations of triethanolamine by ingestion and dermal absorption has caused minor liver and kidney effects in laboratory animals. Prolonged overexposure to isopropyl alcohol by ingestion and inhalation has caused central nervous system effects in humans and laboratory animals; overexposure by ingestion has also caused liver effects in animals.

REPRODUCTIVE/TERATOGENIC DATA: Ingestion of isopropyl alcohol has caused slight fetotoxic and reproductive effects in laboratory animals.

CARCINOGENIC/MUTAGENIC DATA: Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

SYNERGISTIC MATERIALS: No data available.

12. ECOLOGICAL INFORMATION

This product is made with all biodegradable detergents. No other data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

15. REGULATORY INFORMATION

Not meant to be all-inclusive---selected regulations represented.

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories: Immediate, Delayed.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

CANADA

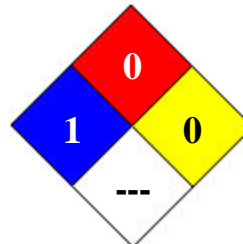
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class D-Division 2B, eye irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	-

NFPA CODES:



APPROVED BY: Product Safety & Regulatory

MSDS STATUS Revision #: 3

This MSDS replaces the October 30, 2000 MSDS. Any changes in information are as follows:

In Section 1

Approved by Product Code Date Prepared

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.