

Material Safety Data Sheet

Date entered: **2/1/05**Date Revised: **11/17/09**

Serum Products, LLC
850-F Pickens Industrial Drive
Marietta Ga. 30062 U.S.A.



Emergency Numbers:
Medical: **(866)-477-6078**
Transportation: **(800)-535-5053**

Section 1 PRODUCT IDENTIFICATION

(1.) Product Name: **Serum 2000** (2.) Product Number: **5-212-5**
(3.) Chemical name/synonyms: Clean Surface Protectant EPA Reg. No.: _____
(4.) Chemical family: Antideposition Control (5.) Chemical formula: Proprietary EPA Est. No.: _____
(6.) NFPA & HMIS acute hazard rating: Health: **2** Flammability: **0** Reactivity: **0** (7.) Preparer Name: Bill Lyon Phone: (866)-791-9595
(8.) Personal Protective Equipment: Minimum Half Face Mask with Organic Vapor/Acid Gas/P-100 Filter. Full Body Tyvec Type Suit with Footy and Hood

Section 2 CHEMICAL COMPOSITION

Note: list all CERCLA hazardous substances at 1% or greater and carcinogens at 0.1% or greater.

(1.) Ingredient:	(2.) SARA Note 313:	(3.) CAS Number:	(4.) % range:	(5.) PEL:	(6.) LD50:	(7.) TLV:
ALL ACTIVE COMPONENTS LESS THAN 1%	X	Proprietary Blend	0-1	n/d	n/d	n/d

Note 1. Deemed non-hazardous as defined in 40 CFR

Balance: Non hazardous

Section 3 PHYSIOLOGICAL EFFECTS

(1.) Primary routes(s) of entry into body: (2.) Eyes: ____ (3.) Skin: X (4.) Inhalation: ____ (5.) Ingestion: ____
(6.) Acute effects:
(7.) Eyes: some tissue irritation. blurred vision
(8.) Skin: some tissue irritation and redness
(9.) Inhalation: some tissue irritation, shortness of breath
(10.) Ingestion: some irritation. some swelling of the abdomen. nausea
(11.) Chronic effects: none known

Section 4 EMERGENCY AND FIRST AID PROCEDURES

(1.) Eyes: rinse for 15 minutes with potable water, if irritation persists, seek medical attention.
(2.) Skin: rinse for 15 minutes with potable water, if irritation persists, seek medical attention.
(3.) Inhalation: remove victim to fresh air, if symptoms persist, seek medical attention.
(4.) Ingestion: give large amounts of potable water while seeking immediate medical attention.
(5.) Special instructions to physician: none

Section 5 FIRE AND EXPLOSION HAZARD DATA

(1.) Flash point: n/a °F (2.) Method: TOC (3.) Flammable limits in air: n/d (4.) Auto ignition temperature: n/d °C
(5.) Suitable extinguishing media: water, foam or CO2 (6.) Hazardous combustion biproducts: none expected
(7.) Rec. fire fighting procedures: normal procedures (8.) Unusual fire explosion hazards: none

Section 6 ENVIRONMENTAL INFORMATION

(1.) Spill or leak procedures:
(2.) Small spill leak: stop leak. mop or vacuum to disposal container or rinse to sanitary sewer.
(3.) Large spill leak: stop leak. mop or vacuum to disposal container or rinse to sanitary sewer.
(4.) Spill reportable quantity: none
(5.) Waste disposal method: follow local, state and federal guidelines.
(6.) EPA appropriate waste classification: none
(7.) RCRA appropriate characteristic waste: n/a (8.) if so EPA hazardous waste number: n/a
(9.) RCRA appropriate listed waste: n/a (10.) if so EPA hazardous waste number: n/a
(11.) non RCRA regulated waste: n/a
(12.) Procedure for handling empty containers: do not reuse. give container to licensed drum reconditioner.
(13.) Environmental toxicity data: **keep out of water ways, oceans, rivers, creeks and estuaries**
(14.) Other regulatory controls: **DO NOT ALLOW TO FREEZE**

(15.) Is material classified under the CLEAN WATER ACT (USA) or appropriate water regulations as a:

(16.) Toxic pollutant (section 307): No(17.) Hazardous substance (section 311)? No(18.) if yes, reportable quantity (R.Q.): n/a(18.) Oil section 311? No

(19.) Is material classified under the CLEAN AIR ACT (USA) or appropriate CLEAN AIR regulations as a:

(20.) Hazardous air pollutant section (12)? No(21.) Comments: **DO NOT ALLOW TO FREEZE**

Section 7 STORAGE AND HANDLING PRECAUTIONS

(1.) Storage: store at temperatures below 120 F and above 32 F(2.) Handling: use chemical resistant gloves and eye protection when handling concentrate(3.) Precautionary labeling: **DO NOT ALLOW TO FREEZE**

Section 8 OCCUPATIONAL CONTROL PROCEDURES

(1.) Ventilation: (2.) local exhaust (3.) general exhaust X (4.) none required

(5.) Personal protective equipment:

(6.) Respirator type: FULL FACE WITH 3M 60926 OR EQUIVALENT CARTRIDGES (CHEMICAL VAPOR WITH P100 PREFILTER)(7.) Gloves: (8.) Natural rubber: (9.) plastic: (10.) nitrile: (11.) neoprene: X (12.) butyl: (13.) other: (14.) Eye protection: (15.) glasses with side shield: (16.) full face shield: X (17.) chemical splash goggles: (18.) other:

Section 9 PHYSICAL DATA

(1.) Appearance: Water Clear to Straw (2.) Odor: None (3.) Physical state: Liquid(4.) Boiling Point: 212 (5.) Freeze Point: 32 (6.) Specific Gravity: 1.00 (7.) pH Neat: 2.9 (8.) pH 1%: 3.9 (9.) % Solids: 0.8%(10.) % Volatiles: 99.2% (11.) Solubility Water: Complete (12.) Vapor pressure: n/d (13.) Vapor density: n/d(14.) Evaporation rate: <1 (15.) VOC Less Exempt (theoretical): 0.00 lbs./gal (16.) VOC As Packaged (theoretical): 0.00 lbs./gal.(17.) Foam Potential: MINIMAL (18.) Ozone Depleting Compounds: NONE (19.) Hazardous Air Pollutants: NONE(20.) Carcinogens, Mutagens, Teratogens (NTP, IARC, OSHA): N/A (21.) EPA Clean Water Act: NO(22.) SARA Title III, Section 313 Reportable: NONE (22.) Boiling Point: 212 F⁰ Initial (23.) Flammability: N/A

Section 10 REACTIVITY DATA

(1.) Thermal stability: Stable(2.) Condition to avoid: **FREEZING**(3.) Hazardous decomposition products: none(4.) Hazardous polymerization: may occur: will not occur: X(6.) Materials to avoid: none(7.) Corrosive action on materials: none

Section 11 TOXICOLOGICAL INFORMATION

(1.) Summary of health effects:

None expected

Section 12 SHIPPING REQUIREMENTS

(1.) Indicate country/regulatory agency which specifies requirements: U.S.A.-DOT

(2.) Proper Shipping name:

Compound, Cleaning, Liquid, N.O.I.B.N., Item Name: Serum 2000, Item Number: 5-212-55

(3.) Hazardous class: (4.) Identification number: (5.) Packaging group: (6.) Emergency response guide number:

n/a n/a n/a n/a(7.) Labels required: None(8.) Other requirements: **DO NOT ALLOW TO FREEZE**(9.) Note: **DO NOT ALLOW TO FREEZE**Product Name: **Serum 2000**DOT Hazard Classification: NOT REGULATEDProduct Number: 5-212-5

n/d = not determined; n/a = not applicable