

# Safety Data Sheet

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## Manufacturer:

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Unit B  
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U.S.A.-DOT

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

## Section 1 IDENTIFICATION

- (1.) Product Name: **SERUM SR** (2.) Product #: 5-674-05
- (3.) Chemical name/synonyms: Heavy Duty Smoke Remover
- (4.) Chemical family & Uses: alkaline detergent
- (5.) Chemical formula: Proprietary
- (6.) NFPA & HMIS acute hazard rating: 2 Health: 0 Flammability: 0 Reactivity:
- (7.) Preparer Name: Bill Lyon Phone: (866)-477-6078 U.S.A.
- (8.) Personal Protective Equipment: Eye Protection and Chemical Resistant Gloves

## Section 2 HAZARD(S) IDENTIFICATION

- (1.) Hazard Classification: Corrosive Liquid
- (2.) Signal Word: Corrosive
- (3.) Hazard Statement:  
Contains: 3% Sodium Hydroxide
- (4.) Precautionary Statement:  
Keep this, and all chemical compounds out of the reach of children. Do not allow solutions of this product to dry on painted surfaces. Avoid eye and skin contact. Do not use on delicate paint. Wear rubber gloves and eye protection. Do not allow to freeze. Do not store at temperatures above 120<sup>0</sup> F. Do not ingest.



Emergency Action Code

**8**

UN Number:

**UN-1760,**

Emergency Transportation Phone: #

**(800)-535-5053**

## Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

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

Hazardous Substances	(3.) SARA (2.) Note 313	(4.) CAS #:	(5.) % range:	(6.) PEL:	(7.) LD50:	(7.) TLV:
(1.) Ingredient:						
2-butoxyethanol	Yes	000111-76-2	4-8	25 ppm TWA	1519 mg/kg	25 ppm TWA
Sodium Hydroxide	No	1310-73-2	2-6	2mg/m <sup>3</sup>	500mg/kg.	2mg/m <sup>3</sup>
Alkyl ether phosphate ester	No	68130-47-2	1-4	3 mg/m <sup>3</sup>	2740 mg/kg	n/a
Sodium Metasilicate	No	6834-92-0	2-5	n/a	n/a	2mg/m <sup>3</sup>

Note

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## Section 4 FIRST-AID MEASURES

- (1.) Eyes: rinse for 15 minutes with potable water while seeking immediate medical attention.
- (2.) Skin: wash affected area with soap & water, then rinse with clean, clear water.
- (3.) Inhalation: remove victim to fresh air, while seeking immediate medical attention.
- (4.) Ingestion: give large amounts of potable water while seeking immediate medical attention.
- (5.) Special instructions to physician: Inform medical team that product contains a small amount of sodium hydroxide (3%)

## Section 5 FIRE-FIGHTING MEASURES

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

## Section 6 ACCIDENTAL RELEASE MEASURES

- (1.) Spill or leak procedures:  
(A.) Small spill leak: stop leak. mop or vacuum to disposal container or rinse to sanitary sewer.  
(B.) Large spill leak: stop leak. dilute with water, neutralize material with mild acid, mop or vacuum to disposal container then rinse remainder to sanitary sewer.
- (2.) Spill reportable quantity: n/a
- (3.) Waste disposal method: follow local, state and federal guidelines.
- (4.) EPA appropriate waste classification: none
- (5.) RCRA appropriate characteristic waste: n/a (6.) if so EPA hazardous waste number: n/a
- (7.) RCRA appropriate listed waste: n/a (8.) if so EPA hazardous waste number: n/a
- (9.) non RCRA regulated waste: n/a
- (10.) Procedure for handling empty containers: do not reuse. give container to licensed drum reconditioner.
- (11.) Environmental toxicity data: **BIODEGRADABLE**
- (12.) Other regulatory controls: none
- (13.) Is material classified under the CLEAN WATER ACT (USA) or appropriate water regulations as a:  
(A.) Toxic pollutant (section 307): No (B.) Hazardous substance (section 311)?: No
- (14.) if yes, reportable quantity (R.Q.): n/a (15.) Oil section 311? No
- (16.) Is material classified under the CLEAN AIR ACT (USA) or appropriate CLEAN AIR regulations as a:
- (17.) Hazardous air pollutant section (12)?: No
- (18.) Comments: none

## Section 7 STORAGE AND HANDLING

- (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: Keep this, and all chemical compounds out of the reach of children. Do not allow solutions

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## Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

(1.) Ventilation: (A.) local exhaust \_\_\_\_ (B.) general exhaust X (C.) none required \_\_\_\_

(2.) Personal protective equipment:

(A.) Respirator type: None Required

(B.) Gloves: \_\_\_\_\_

(1.) Natural rubber: \_\_\_\_ (2.) plastic: \_\_\_\_ (3.) nitrile: \_\_\_\_ (4.) neoprene: X (5.) butyl: \_\_\_\_

(6.) other: \_\_\_\_\_

(C.) Eye protection:

(1.) glasses with side shield: X (2.) full face shield: \_\_\_\_ (3.) chemical splash goggles: \_\_\_\_

(4.) other: \_\_\_\_\_

(3.) PPE Symbols Required:



CHEMICAL NAME:	PEL	ACGIH	TLV's	OSHA
SODIUM HYDROXIDE	25 ppm TWA	STEL:2(mg/m <sup>3</sup> )		TWA:2 CEIL: 2 (mg/m <sup>3</sup> )

(4.) Engineering Controls:

PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUE.

## Section 9 PHYSICAL AND CHEMICAL PROPERTIES

(1.) Appearance: Yellow

(2.) Odor: Butyl Alcohol (3.) Physical state: Liquid (4.) Boiling Point: 212 °F 100 °C

(5.) Freeze Point: 32 °F 0 °C (6.) Specific Gravity: 1.05 (7.) pH Neat: 13.5 (8.) pH 1%: 12.2

(9.) % Solids: 15.6% (10.) % Volatiles: 84.4% (11.) Solubility Water: Complete

(12.) Vapor pressure: n/d (13.) Vapor density: n/d (14.) Evaporation rate: <1

(15.) VOC Less Exempt (theoretical): 0.53 lbs./gal (16.) VOC As Packaged (theoretical): 0.53 lbs./gal.

## Section 10 STABILITY AND REACTIVITY

(1.) Thermal stability: Stable

(2.) Chemical stability: Stable

(3.) Condition to avoid: none

(4.) Hazardous decomposition products: none

(5.) Hazardous polymerization: may occur: \_\_\_\_ will not occur: X

(6.) Materials to avoid: none

(7.) Corrosive action on materials: Slight on aluminum

## Section 11 TOXICOLOGICAL INFORMATION

(1.) Summary of health effects:

skin irritant, none other expected

(2.) Eyes: Irritation to surface of eye, watering, blurring and burning sensation

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- (3.) Inhalation: Irritant to lungs, coughing and burning sensation  
(4.) Skin: degreases oil from skin, irritant, turns skin red when irritated  
(5.) Ingestion: irritant to digestive system, burning sensation, nauseous feeling.  
(6.) Toxicity Data: Do not ingest, give victim large amounts of water to dilute product. In all cases of contact, rinse with potable water for at least 15 minutes before seeking medical assistance.

(7.) Primary routes(s) of entry into body: (2.) Eyes: \_\_\_ (3.) Skin: X (4.) Inhalation: \_\_\_ (5.) Ingestion: \_\_\_

### Section 12 ECOLOGICAL INFORMATION (non-mandatory)

- (1.) Environment: Do not allow into oceans, rivers, creeks and streams.

### Section 13 DISPOSAL CONSIDERATIONS

- (1.) Waste Disposal: Neutralize with mild acid before disposing of product. Follow all local, state and federal laws to dispose of this product.

(2.) Legislation: None

### Section 14 TRANSPORTATION INFORMATION

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

(2.) Proper Hazardous Material Shipping Description:

UN-1760, Compound, Cleaning, Liquid, (Sodium Hydroxide), 8, PG III, ERG#60, Item Name: SERUM SR, Item Number: 5-674-05, Container:Pail

(3.) Hazardous class: 8, (4.) Identification number: UN-1760, (5.) HazChem Code: n/d

(6.) Packaging group: PG III, (7.) Emergency response guide number: ERG#60,

(8.) Labels required: Corrosive

(9.) Other requirements:

none

(10.) Note: None

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## Section 15

## REGULATORY INFORMATION

(1.) Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

(2.) AICS: All chemicals listed on the Australian Inventory of Chemical Substances (AICS)

## Section 16

## OTHER INFORMATION

(1.) Additional Information:

**ABBREVIATIONS:**

ADB- Air Dry Basis

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds

CNS - Central Nervous System

IARC - International Agency for Research on Cancer

M - moles per litre, a unit of concentration

mg/m<sup>3</sup> - Milligrams per cubic metre

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline)

ppm = Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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Chem Alert Colour: **GREEN**

Product Name: **SERUM SR**

Product Number: **5-674-05**

#### Recommendations:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**COLOUR RATING SYSTEM:** All Chem Alert reports has a colour rating of Green, Amber or Red for the sole purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and there by reduce the risk (or likelihood) of adverse effects. As a general guideline, a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

While all due care has been taken Serum Products in the preparation of the Colour Rating System, it is intended as a guide only and Serum does not provide any warranty in relation to the accuracy of the Colour Rating System. As far as is lawfully possible, Serum accepts no liability or responsibility whatsoever for the actions or omissions of any person in reliance on the Colour Rating System.

#### Report Status:

This document has been compiled by Serum Products the manufacturer of the product and serves as the manufacturer's Safety Data Sheet (SDS).

It is based on information concerning the product which has been provided by Serum Products or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from Serum Products.

While Serum Products has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Serum Products accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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**SERUM SR**

SDS Date: 11/24/13 End of Report