

SAFETY DATA SHEET

Date Entered: 7/1/10 Modified: 7/7/21

1 PRODUCT AND COMPANY IDENTIFICATION English

- (1.) Trade Name: **SERUM SR**
- (2.) Chemical Name: Heavy Duty Smoke Remover (3.) Product Number: 5-674-05
- (4.) Chemical Family: alkaline detergent
- (5.) Chemical Formula: Proprietary

Serum Products, LLC
 1355 West Oak Commons Lane
 Unit B
 Marietta 30062 U.S.A.
 +1 (678)-290-1880



- (7.) Preparers Name: Bill Lyon Phone: +1 (678)-290-1880 U.S.A.
- (8.) **Emergency Contact Phone Numbers:** Medical: (678) 290-1880 Transportation: **(800) 535-5053**

2 HAZARDS IDENTIFICATION English

- (1.) Hazardous Classification: Corrosive Liquid (2.) Signal Word: Corrosive
- (3.) Hazardous Statement: Contains: 3% Sodium Hydroxide

- (4.) Precautionary Labeling: 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° F. Do not ingest.

HAZARD CLASS
8

UN NUMBER
UN-1760

EMERGENCY PHONE
(800) 535-5053

- (5.) Description Other Hazards: n/a
- (6.) Unknown Toxicity: n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

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

(1.) Ingrediente:	(2.) SARA Nota	(3.) CAS #:	(4.) % range:	(5.) PEL:	(6.) LD50:	(7.) TLV:
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 ³	500mg/kg.	2mg/m ³
Alkyl ether phosphate ester	No	68130-47-2	1-4	3 mg/m ³	2740 mg/kg	n/a
Sodium Metasilicate	No	6834-92-0	2-5	n/a	n/a	2mg/m ³
Water	No	07732-18-5	84	non hazardous	non hazardous	non hazardous

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Balance Nonhazardous

Note:

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FIRST AID MEASURES

English

(1.) Main entry routes into the body(s): _____ (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.) Acute Symptoms: Defatting and irritation of skin

(12.) Note to Physician:

Contains water soluble solvent and sodium hydroxide

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FIRE FIGHTING MEASURES

(1.) Flammable Properties: Non Flammable

Extinguishing media

(2.) Suitable Extinguishing Media:

Non Flammable

(3.) Unsuitable extinguishing media:

n/a

Protection of Fire Fighters

(4.) Protective Equipment:

Standard

(5.) Specific Hazards:

None

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ACCIDENTAL RELEASE MEASURES

English

- (1.) Personal Precautions: Gloves and eye protection
- (2.) Environmental Precautions: Stop leak, prevent liquid from entering sanitary sewer, creeks, streams, lakes and rivers. Mop up or vacuum with appropriate equipment.

(3.) Waste Disposal Method: follow local, state and federal guidelines.

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HANDLING AND STORAGE

- (1.) Storage: store at temperatures below 120 F and above 32 F in a cool dark dry space
- (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 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° F. Do not ingest.

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Exposure Controls/Personal Protection

(1.) **Ventilation:** (2.) Local Exhaust: (3.) General Exhaust: X (4.) None Required:

(5.) **Personal Protection Equipment:**

(6.) **Respirator Type:** (7.) Full Face Respirator: (8.) Half Face Respirator: (9.) Dust Particle Filter:

Note: None Required

(10.) **Gloves:** (11.) Natural rubber: (12.) Plastic: (13.) Nitril: (14.) Neoprene: X (15.) Butyl:
(16.) Other:

(17.) **Eye Protection:** (18.) Glasses With Side Shields: X (19.) Full Face Shield: (20.) Chemical Splash Goggles:
(21.) Other:

(22.) **Symbols Of PPE Required:**



CHEMICAL NAME:	ACGIH	OSHA
Sodium Hydroxide	STEL:2(mg/m ³)	TWA:2 CEIL: 2(mg/m ³)

(23.) **Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

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PHYSICAL & CHEMICAL PROPERTIES

English

- (1.) Physical State: Liquid
- (2.) Appearance: Yellow
- (3.) Odor: Butyl Alcohol
- (4.) Boiling Point: 212 °F 100 °C
- (5.) Freeze Point: 32 °F 0 °C
- (6.) Flash Point: n/a °F
- (7.) Specific Gravity: 1.05
- (8.) Density: 8.76 lbs./Gal.
- (9.) pH Neat: 13.5
- (10.) pH 1%: 12.2
- (11.) % Solids: 15.6%
- (12.) % Volatiles: _____
- (13.) Solubility In Water: Complete
- (14.) Vapor Pressure: n/d
- (15.) Vapor Density: n/d
- (16.) Evaporation Rate: <1
- (17.) VOC Less Exempt: 0.534
- (18.) VOC As Packaged: 0.534
- (19.) Viscosity: 1

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CHEMICAL STABILITY & REACTIVITY INFORMATION

- (1.) Thermal Stability: Stable
- (2.) Chemical Stability: Stable
- (3.) Condition To Avoid: Extreme heat
- (4.) Hazardous Decomposition Products: none
- (5.) Hazardous Polymerization: (A) May Occur: (B) Will not occur: X
- (6.) Materials To Avoid: none
- (7.) Corrosive Action On Materials: Slight on aluminum
- (8.) Avoid: Strong acids

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TOXICOLOGICAL INFORMATION

- (1.) Routs(s) of entry into the body: (2.) Eyes: (3.) Skin: X (4.) Inhalation: (5.) Ingestion:
- (2.) Eyes: Irritation to surface of eye, watering, blurring and burning sensation
- (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.

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(7.) Summary Of Health Effects:
skin irritant, none other expected

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ECOLOGICAL INFORMATION

English

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

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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

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TRANSPORTATION INFORMATION

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

(2.) **PROPER SHIPPING DESCRIPTION:**

5 GALLON CONTAINERS OR MORE PROPER SHIPPING DESCRIPTION



UN1760, Compound, Cleaning, Liquid, (Sodium Hydroxide), 8, PG III, ERG#60, Item Name: SERUM SR, Item Number: 5-674-05, Container:Pail, NMFC:48580-03

4 X 1 GALLON CONTAINERS OR LESS LIMITED QUANTITY PROPER SHIPPING DESCRIPTION



Compounds, Cleaning, Liquid, LIMITED QUANTITY, Item Name: SERUM SR, Item Number: 5-674-04, Container:Case, NMFC:48580-03

(3.) Hazard Class: 8, (4.) Hazard Number: UN1760, (5.) HazChem Code Number: n/d

(6.) Packaging Group: PG III, (7.) Emergency Response Code: ERG#60,

(8.) Labels Required: Corrosive (9.) Other Requirements: none

(10.) Note: None

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REGULATORY INFORMATION

English

(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)

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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/m³ - 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.

(2) 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.

(3) 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

Chemical Alert Color: **GREEN**

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SERUM SR

Reorder Number: 5-674-05

SDS Date: 7/7/21 End Report

n/d = Not Determined, n/a = Not Applicable