

Bus Garage

# KSM SOLUTIONS

## SAFETY DATA SHEET

4321 S - DYNAMITE- Extra Heavy Duty Degreaser

Date 4/8/2016

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** DYNAMITE - Extra Heavy Duty Degreaser

**Other Means of Identification**

**Product Code** 4321S

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Heavy duty degreaser/ cleaner.

**Details of the Supplier of the Safety Data Sheet**

**Manufactured for Address** KSM Solutions  
3191 Whitfield Ct.  
Waterford, MI 48329

**Emergency Telephone Number**

**Company Phone Number** (248) 459-0991  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

### 2. HAZARDS IDENTIFICATION

**Classification**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2 Sub-category A

**Signal Word** WARNING

**Hazard Statements**

Harmful if inhaled  
Harmful if swallowed  
Causes skin and eye irritation



**Appearance** Purple liquid

**Physical State** Liquid

**Odor** Detergent

**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood  
 Wear impervious gloves and clothing when handling. Wear safety goggles.  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only in well ventilated areas  
 Do not ingest.

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
**IF SWALLOWED:** Call a POISON CENTER or doctor/physician for advice  
 Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store in a cool dry place. Keep containers tightly closed in upright position to prevent leakage.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	0 - 15
Sodium metasilicate	6834-92-0	0 - 10
Sodium xylenesulfonate	1300-72-7	0 - 3
Sodium hydroxide	1310-73-2	0 - 3

The balance of ingredients are not hazardous by OSHA GHS and are being withheld as a proprietary trade secret.

**4. FIRST AID MEASURES****First Aid Measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician for advice.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	Irritating to skin. Repeated exposure may cause skin drying or cracking. Contact with eyes causes serious damage. Do not taste or swallow.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Use dry chemical, water spray, fog or foam.

**Unsuitable Extinguishing Media** Water jet.

**Specific Hazards Arising from the Chemical**  
None known.

**Protective Equipment and Precautions for Firefighters**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Store in a cool, dry place. Keep containers tightly closed and in upright position to prevent leakage. KEEP OUT OF THE REACH OF CHILDREN.

**Incompatible Materials** Strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm	TWA: 5 ppm
Sodium metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Splash goggles or face shield
<b>Skin and Body Protection</b>	Rubber gloves or other impervious gloves.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Detergent
<b>Appearance</b>	Purple liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Purple		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	11.5-12.5		
<b>Melting Point/Freezing Point</b>	Not available		
<b>Boiling Point/Boiling Range</b>	212°F		
<b>Flash Point</b>	Does not sustain combustion		
<b>Evaporation Rate</b>	<1	Water = 1	
<b>Flammability (Solid, Gas)</b>	Not applicable		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Specific Gravity</b>	1.07		
<b>Water Solubility</b>	Soluble in water		
<b>Solubility in Other Solvents</b>	Not determined		

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
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**Conditions to Avoid**

None known

**Incompatible Materials**

Strong acids.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Inhalation</b>	Harmful by inhalation.
<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Can be absorbed through the skin. Causes severe skin burns.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Skin contact may cause pain, redness and drying or defatting of the skin. Eye contact will cause pain, redness and possible damage. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.
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### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Carcinogenicity</b>	No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP
<b>Target Organ Effects:</b>	Eyes. Respiratory system. Skin. Blood. Central nervous system. Hematopoietic system. Kidney. Liver.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2		LC50 <i>Lepomis macrochirus</i> 1490 mg/L 96 h		EC50 <i>Daphnia magna</i> 1698 1940 mg/L 96 h
Sodium metasilicate 6834-92-0		LC50 <i>Brachydanio rerio</i> 210 mg/L 96 h		EC50 <i>Daphnia magna</i> 1700 mg/L 48 h
Sodium hydroxide 1310-73-2		45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static		

### Persistence and Degradability

Biodegradable

### Bioaccumulation

Not determined

### Mobility

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not Regulated

**IATA** Not Regulated

**IMDG** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Listed

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

**US Federal Regulations**

**CERCLA Reportable Quantity** The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.

**SARA 313** No components of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**U.S. State Right-to-Know Regulations**

The following ingredients have been listed:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X
Sodium hydroxide 1310-73-2	X	X	X
Sodium Metasilicate 6834-92-0	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> B

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

- End of Safety Data Sheet