

## SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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### Section 1 - Product & Company Identification

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#### Product identifier

Product name: CLEAN & PREP CLEANER/DEGREASER

Product form: Liquid

Other means of identification: LB006

Relevant identified uses of the substance or mixture: Butyl cleaner/degreaser

#### Details of the supplier of the safety data sheet

Endurmo / 7S608 Plaifield/Naperville Road / Naperville, IL 60540

Phone: (331)214-1655

#### Emergency telephone number

Emergency number: KPA DOT & Hazmat (888)429-6287 or +1(352)323-3500

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### Section 2 – Hazards Identification

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#### Classification

Corrosive to metals.

Skin corrosion/ irritation (Category 1)

Serious eye damage / eye irritation (Category 1)

Acute toxicity-Oral (Category 4)

Acute toxicity-Inhalation (Category 4)

Carcinogenicity –Category 2)

Specific Target Organ Toxicity (single exposure) (Category 3), Respiratory tract irritant.

Specific Target Organ Toxicity (Repeated exposure) (Category 2), Oral

Pictogram



#### Signal Word

**Danger**

#### Hazard Statements

May be corrosive to metals.

Harmful if swallowed or inhaled.

Causes severe skin burns and eye damage.

Causes serious eye damage.

Suspected of causing cancer.

May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure.

### **Precautionary Statements – Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep container tightly closed.

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing fume/mist/vapors/spray.

Use only in a well-ventilated area.

### **Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash victim with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth, Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell

IF EXPOSED OR CONCERNED: Get medical advice/attention.

### **Precautionary Statements – Storage**

Store in a corrosive resistant container. Store in a well-ventilated place. Store locked up.

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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## **Section 3 –Composition/Information on ingredients**

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### **Mixture**

<b>Name</b>	<b>CAS#</b>	<b>Weight %</b>
Potassium Hydroxide	1310-58-3	1-5
2-Butoxyethanol	111-76-2	1-5
Nitrilotriacetic acid	139-13-9	0-1
Sodium metasilicate	6834-92-0	1-5
Triethanolamine	102-71-6	1-5
N,N-Diethanolamine	111-42-2	1-5
Oleic acid	112-80-1	1-5
Nonylphenol, ethoxylated	127087-87-0	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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## **Section 4 – First Aid Measures**

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### **First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.

**Skin Contact:** Remove contaminated clothing, wash victim with plenty of soap and water. Get medical attention.

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

#### **Symptoms**

May cause skin corrosion and serious eye damage. May cause respiratory irritation. Suspected of causing cancer.

### **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** No data available. Treat symptomatically.

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## **Section 5 – Fire Fighting Measures**

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### **Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media** Not determined.

### **Specific Hazards Arising from the Chemical**

No data available.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

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## **Section 6 –Accidental Release Measures**

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

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

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

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment, municipal sewers.

**Methods for Cleaning Up:** Soak up with inert absorbent material and place in suitable, closed containers for disposal.

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## **Section 7 – Handling & Storage**

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### **Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

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

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

## Section 8 – Exposure Controls/ Personal Protection

### Exposure Guidelines

<b>Chemical Name</b>	<b>CAS #</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH</b>
Potassium Hydroxide	1310-58-3	2 mg/m <sup>3</sup> ceiling	None determined	None determined
2-Butoxyethanol	111-76-2	TWA: 20 ppm	PEL: 50 ppm 240 mg/m <sup>3</sup>	No data available
Nitrilotriacetic acid	139-13-9	None determined	None determined	None determined
Sodium metasilicate	6834-92-0	None determined	None determined	None determined
Triethanolamine	102-71-6	TWA: 5 mg/m <sup>3</sup>	None determined	None determined
N,N-Diethanolamine	111-42-2	TWA inhalable 1mg/m <sup>3</sup>	None determined	None determined
Oleic acid	112-80-1	None determined	None determined	None determined
Nonylphenol, ethoxylated	127087-87-0	US WEEL 10 mg/m <sup>3</sup>		

### Appropriate Engineering Controls

**Engineering Controls:** Provide adequate ventilation, eyewash stations.

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

**Eye/Face Protection:** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9 – Physical & Chemical Properties

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Color</b>	Blue
<b><u>Property</u></b>	<b><u>Values</u></b>
pH	13-14
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100-171.1 ° C (212-340 ° F)
Flash Point	> 100 ° C (>212 ° F)
Evaporation Rate	No data available
Flammability (Solid, Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.03
Water Solubility	Soluble in Water

Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Slight Butyl
Odor Threshold	No data available

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### Section 10 – Stability & Reactivity

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#### **Reactivity**

Mildly reactive. Reactivity with water is exothermic.

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

No data available

#### **Conditions to Avoid**

No data available

#### **Incompatible Materials**

Water reactive materials, acids, metals.

#### **Hazardous Decomposition Products**

No data available

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### Section 11 - Toxicological information

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#### **Information on Likely Routes of Exposure**

##### **Product Information**

**Inhalation:** Avoid breathing vapors or mists.

**Eye Contact:** Causes serious eye irritation

**Skin Contact:** Avoid contact with skin.

**Ingestion:** May be harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide	1310-58-3	No data available	No data available	No data available
2-Butoxyethanol	111-76-2	=1300 mg/kg (Rat) =1400 mg/kg (Guinea Pig)	>2,000mg/kg (Rat) >2,000mg/kg (Guinea Pig)	>4.9 mg/l (Rat) 3h >3.4 mg/l (Guinea Pig) 1h
Nitritotriacetic acid	139-13-9	>6,400 mg/kg (Rat)	No data available	No data available
Sodium metasilicate	6834-92-0	1152-1349 mg/kg (Rat)	No data available	No data available
Triethanolamine	102-71-6	>4000mg/kg (Rat)	>2000 mg/kg (Rabbit)	No data available
N, N-Diethanolamine	111-42-2	710 mg/kg (Rat)	12200 mg/kg (Rabbit)	No data available
Oleic acid	112-80-1	74000 mg/kg (Rat)	No data available	No data available
Nonylphenol, ethoxylated	127087-87-0	960-3980 mg/kg (Rat)	2000-2991 mg/kg (Rabbit)	1.15 mg/l 4 h (Rat)

Chemical Name	Potassium Hydroxide	2-Butoxyethanol	Nitilotriacetic acid	Sodium metasilicate
Skin corrosion/irritation	Severe skin burns	Moderate irritation	No irritation	Corrosive
Serious eye damage/irritation	Serious eye damage	Moderate irritation	No data available	Serious eye damage
Respiratory or skin sensitization	No data available	Not a sensitizer	No data available	No data available
Mutagenicity	No evidence	Negative	No data available	negative
Carcinogenicity	No evidence	Not classified as carcinogen	IARC Group 2 B	Not classified as carcinogen
Reproductive toxicity	No evidence	Not classified as hazardous	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	Not classified	No data available	Respiratory irritation
Specific target organ toxicity-repeated exposure	No data available	Not classified	No data available	No data available
Aspiration hazard	No data available	May cause a serious chemical pneumonia	No data available	No data available

Chemical Name	Triethanolamine	N,N-Diethanolamine	Oleic acid	Nonylphenol, ethoxylated
Skin corrosion/irritation	irritation	Mild irritation	irritation	Slight irritation
Serious eye damage/irritation	Serious eye irritation	Severe eye irritation	Mild irritation	Severe irritation
Respiratory or skin sensitization	Not a sensitizer	No data available	No data available	Did not cause
Mutagenicity	negative	No data available	No data available	negative
Carcinogenicity	IARC Group 3	IARC Group 2 B	Not classified as carcinogen	Not classified as carcinogen
Reproductive toxicity	No data available	No data available	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	Not classified	No data available	Not classified
Specific target organ toxicity-repeated exposure	No data available	Not classified	No data available	Not classified
Aspiration hazard	No data available	No data available	No data available	Not aspiration hazard

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product does contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. Nitilotriacetic acid, N, N-Diethanolamine

**Numerical Measures of Toxicity:** Not determined

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## Section 12 - Ecological information

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### Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Potassium Hydroxide	1310-58-3	No data available	96 HR LC50 GAMBUSIA AFFINIS 80 MG/L [STATIC]	No data available
2-Butoxyethanol	111-76-2	EC-50 (Algae (Pseudokirchneriella subcapitata), 72 h): 1,840 mg/l	LC-50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l NOEC (Zebra Fish, 21 d): > 100 mg/l	EC-50 (Water Flea, 48 h): 1,550 mg/l NOEC (daphnid, 21 d): 100 mg/l
Nitilotriacetic acid	139-13-9	No data available	LC50 - Leuciscus idus melanotus - 475 mg/l - 48 h	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
Sodium metasilicate	6834-92-0	No data available	LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h	No data available
Triethanolamine	102-71-6	No data available	LC50 - Lepomis macrochirus (Bluegill) - 450 - 1,000 mg/l - 96 h	EC50 - Daphnia (water flea) - 609.98 mg/l - 48 h
N, N-Diethanolamine	111-42-2	No data available	LC50 - Pimephales promelas (fathead minnow) - 1,460 mg/l - 96 h	EC50 - Daphnia magna (Water flea) - 55 mg/l - 48 h
Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Oleic acid	112-80-1	No data available	LC50 - Pimephales promelas (fathead minnow) - 205 mg/l - 96 h	No data available
Nonylphenol, ethoxylated	127087-87-0	No data available	LC50 - Pimephales promelas (fathead minnow) - 3.8-6.2 mg/l - 96 h	EC50 - Daphnia magna (Water flea) - 9.3-21.4 mg/l - 48 h

### Persistence and Degradability

No data available

### Bioaccumulation

No data available

### Mobility

No data available

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## Section 13 - Disposal considerations

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### Waste Disposal Method

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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## Section 14 - Transport information

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### **DOT Proper Shipping Description:**

**Bulk or Non-Bulk:** NA1760, Compounds, cleaning liquid, (Sodium metasilicate, Potassium Hydroxide), 8, PG II

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**Section 15 - Regulatory information**

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**SARA Title III Section 311/312 (40CFR370):** Acute and chronic health hazard

**SARA Title III Section 313 (40CFR372):** This product contains a toxic chemical subject to the reporting requirements of section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

Chemical	CAS #	Weight %	SARA 313 Threshold Values %
2-Butoxyethanol	111-76-2	1-5	1.0

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

**⚠ WARNING:** This product can expose you to chemicals including Diethanolamine which is known to the State of California to cause cancer and reproductive harm. For more information go to, [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium Hydroxide	X	X	X
2-Butoxyethanol	X	X	X
Nitilotriacetic acid	X	X	X
Sodium metasilicate	X	Not listed	X
Triethanolamine	X	X	X
N, N-Diethanolamine	X	X	X
Oleic acid	X	Not listed	X
Nonylphenol, ethoxylated	Not listed	Not listed	Not listed

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**Section 16 - Other information**

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**HMIS ratings:** Health: 2 Flammability: 0 Reactivity:1

Indication of changes: Revision – 2

Date Sheet Prepared: 11/11/2019 Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**