



GREENSTUFF SDS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name on Label: GREENSTUFF

Other Identification: N/A

Use of the substance/mixture: DEGREASER, CLEANER

Company name : MOORE OIL COMPANY
4033 WEST CUSTER AVE
MILWAUKEE, WI 53209 (414) 462-3200

Emergency number: (800) 424-9300 - CHEMTREC

SECTION 2: Hazards identification

Classification of the substance or mixture: N/A

GHS Label elements: none

Other hazards: This product does not contain carcinogens.

Unknown acute toxicity (GHS-US): N/A

SECTION 3: Composition/information on ingredients

NAME	PRODUCT IDENTIFIER	% BY WT	GHS – US CLASSIFICATION
2-Butoxy Ethanol	111-76-2	<1	Acute Oral Toxicity 4 Acute Dermal Toxicity 4 Acute Inhalation Toxicity 4 Eye Irritation 2A Skin Irritation 2
Potassium Hydroxide	1310-58-3	<1	Acute Oral Toxicity 4 Skin Irritation 1A Eye Damage 1

SECTION 4: First aid measures

First-aid measures general	Wash thoroughly after handling.
First-aid measures after inhalation	Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
First-aid measures after skin contact	Immediately flush with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Consult physician.
First-aid measures after eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
First-aid measures after ingestion	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. If conscious, give plenty of milk of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

Acute:

Eyes – Can cause severe irritation, redness, tearing, and blurred vision.



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Skin – Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis

Inhalation - Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

Chronic:

Overexposure to glycol ethers (in it's pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals

Indication of any immediate medical attention and special treatment needed: Immediately flush eyes with plenty of water for at least 15 minutes. Flush skin with water. Wash clothing before re-use.

SECTION 5: Fire-fighting measures

Extinguishing media – Not considered a fire hazard

Suitable extinguishing media: N/A

Unsuitable extinguishing media: N/A

Special hazards arising from the substance or mixture: Avoid contact with acids and strong oxidizers such as permanganate, chlorine, etc.

Advice for firefighters

Firefighting instructions : N/A

Protection during firefighting: N/A

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: PROTECT EYES & SKIN. WASH THOROUGHLY AFTER HANDLING.

Environmental precautions: Dispose of according to local, state and federal regulations for biodegradable detergents.

Methods and material for containment and cleaning up: Absorb the large spill with a suitable absorbent. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

SECTION 7: Handling and storage

Precautions for safe handling: Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

Conditions for safe storage, including any incompatibilities: Do not store under freezing or above 120 degrees F. Protect from physical damage and keep tightly closed. Do not store near acids or acidic materials and oxidizers.

SECTION 8: Exposure controls/personal protection

Control parameters:

Chemical	Occupational Exposure Limits
2-Butoxy Ethanol	20 ppm TWA ACGIH TLV 50 ppm TWA (Skin) OSHA PEL
Potassium Hydroxide	2 mg/m ³ ACGIH Ceiling

Exposure controls - An appropriate NIOSH approved hydrocarbon canister or respirator for organic vapor should be worn if needed.

Hand protection: Wear resistant gloves such as nitrile, rubber, PVC, etc.

Eye Protection: Wear safety glasses and have eye wash station and quick drench facilities available.



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SECTION 9: Physical and chemical properties

Boiling Point	>212	Specific Gravity (water = 1)	1.1
Solubility in Water	100% Soluble	pH	Not determined
Vapor Pressure (mmHg)	<20	Vapor Density (air =1)	0.6
% Volatile by Volume	>80%	VOC	Not determined
Flash Point	Greater than 200°F (concentrate)	Appearance/Odor	Orange liquid with citrus odor

SECTION 10: Stability and reactivity

Reactivity: Product not reactive.

Chemical stability: Product is stable.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid (e.g., static discharge, shock, or vibration): None.

Incompatible materials: Avoid contact with acids and strong oxidizers such as permanganate, chlorine, etc.

Hazardous decomposition products: None.

SECTION 11: Toxicological information

Primary routes of entry: Skin and inhalation

Symptoms related to the physical, chemical and toxicological characteristics: Contact with skin can cause moderate irritation. Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Acute:

Eyes – Can cause severe irritation, redness, tearing, or blurred vision.

Skin – Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Inhalation – Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Ingestion – Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

Chronic:

Overexposure to glycol ethers (in its pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals.

Numerical measures of toxicity (such as acute toxicity estimates): N/A

Hazardous chemical is not listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

SECTION 12: Ecological information

Eco-toxicity (aquatic and terrestrial, where available): N/A

Persistence and degradability: N/A

Bio-accumulative potential: N/A

Mobility in soil: N/A

Other adverse effects (such as hazardous to the ozone layer): N/A

SECTION 13: Disposal considerations

Disposal instructions: Discard properly such items as rags and trash soaked with product.



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SECTION 14: Transport information

UN number: 1719 - CORROSIVE

UN proper shipping name: CAUSTIC ALKALI LIQUIDS, N.O.S. (2 BUTOXY ETHANOL, POTASSIUM HYDROXIDE)

Transport hazard class(es): 8

Packing group, if applicable: II

Environmental hazards (e.g., Marine pollutant (Yes/No)): NO

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): N/A

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: N/A

SECTION 15: Regulatory information

US Federal Regulations:

OSHA Hazards : Hazardous Chemical

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity - This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity - This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : None

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List - Not Regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) - Not Regulated

Safe Drinking Water Act - Not Regulated

International Regulations: N/A

State Regulations: N/A

SECTION 16: Other information

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