

Nu-Tech Cleaning Systems

SAFETY DATA SHEET

NTC-234 Grease Magic Premium Heavy Duty Degreaser

Date 7/7/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Grease Magic Premium Heavy Duty Degreaser

Other Means of Identification

Product Code NTC-234

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Heavy duty degreaser/cleaner/heavy duty multi-purpose cleaner

Details of the Supplier of the Safety Data Sheet

Manufactured for Address Nu-Tech Cleaning Systems
378411 Mile Rd.
Berkley, MI 48072

Emergency Telephone Number

Company Phone Number 248-548-5211
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 Subcategory A

Signal Word

WARNING

Hazard Statements

Causes skin irritation Causes eye irritation
Harmful if swallowed May be harmful if inhaled
Inhalation of vapors or mist may cause respiratory irritation
Harmful if absorbed through skin



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 eat, drink or smoke when using this product
 Do not breathe 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.
IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water for several minutes. If irritation occurs seek medical attention. 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 physician if irritation occurs.
IF SWALLOWED: Immediately call local poison control center or physician for treatment advice. Rinse mouth.

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	10 - 20
Sodium metasilicate	6834-92-0	0 - 10
Sodium xylenesulfonate	1300-72-7	0 - 10
Sodium hydroxide	1310-73-2	0 - 10

The specific identity and/or exact percentages are being withheld a trade secret. The balance of ingredients are not hazardous by GHS.

4. FIRST AID MEASURES

First Aid Measures

- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention if irritation occurs.
- Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation occurs.
- Ingestion** Rinse mouth. Call local poison control center or physician for treatment advice. .
- Skin Contact** Remove/Take off immediately all contaminated clothing. Flush skin with water for several minutes. Seek medical attention if irritation occurs.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media None known.

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 Read entire safety data sheet and label before use.

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 mist/vapors/spray. Use in well-ventilated areas.

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. Oxidizers.

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 ³	2 mg/m ³	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

Appropriate Engineering Controls

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

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash goggles or safety glasses. Face-shields are recommended when the task can generate splashes, sprays or mists.

Skin and Body Protection Rubber or impervious gloves. Rubber boots. Rubber apron or other chemical proof clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		Odor	Detergent
Appearance	Purple liquid		Odor Threshold	Not determined
Color	Purple			
<u>Property</u>		<u>Values</u>		<u>Remarks • Method</u>
pH	13.5-14.5			
Melting Point/Freezing Point	Not available			
Boiling Point/Boiling Range	212°F			
Flash Point	Product does not sustain combustion			
Evaporation Rate	1		Water = 1	
Flammability (Solid, Gas)	Not applicable			
Upper Flammability Limits	Not determined			
Lower Flammability Limit	Not determined			
Vapor Pressure	Not determined			
Vapor Density	Not determined			
Specific Gravity	1.07			
Water Solubility	Soluble in water			
Solubility in Other Solvents	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.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Keep out of reach of children.

Incompatible Materials
Strong acids. Oxidizers

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation Harmful by inhalation.

Eye Contact May cause severe eye damage.

Skin Contact Can be absorbed through the skin. May cause skin burns.
Ingestion 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 xylenesulfonate 1300-72-7	= 7200 mg/kg (Rat)	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Burns, blisters, tissue destruction, drying or defatting of the skin. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.

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

Carcinogenicity No components of this product present at levels greater than or equal to 0.1% is identified a probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.

Target Organ Effects: 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 Lepomis macrochirus 1490 mg/L 96 h		EC50 Daphnia magna 1698 1940 mg/L 96 h
Sodium metasilicate 6834-92-0		LC50 Brachydanio rerio 210 mg/L 96 h		EC50 Daphnia magna 1700 mg/L 48 h
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Sodium Xylene Sulfonate 5989-27-5		LC50 Pimephales promelas 13500 – 14500 96h		EC50: Daphnia magna 2564 mg/L 48 h

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 ingredients 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 Metasilicate 10213-79-3	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X
Sodium Xylene Sulfonate 5989-27-5		X	X

16. OTHER INFORMATION

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