SAFETY DATA SHEET
GREASOL™ 21

According to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

Section 1: Product and Company Identification

Product Name: GREASOL™ 21

Product Use Description: Intended for Industrial Use. Degreaser & Cleaner.

Company: Consolidated Chemicals, LLC
3191 W. Tharpe St.,
Tallahassee, FL 32303, United States
Phone: 850-575-0921
Fax: 850-270-6899
Email: office@specialtyproductsofamerica.com

Emergency Phone: Call INFOTRAC (Customer Number: 102477)
Within USA & Canada: 800-535-5053
International: 352-323-3500

Section 2: Hazards Identification

Emergency Overview
Appearance Liquid
Color Blue
Odor Solvent

GHS Classification:
Corrosive to Metals - Category 1
Acute Toxicity - Category 4 - Inhalation
Skin Irritation - Category 2
Eye Irritation – Category 1

Corrosive

Irritant

Signal Word: DANGER

Hazard Statements:
Keep out of reach of children.
Read label and SDS before use.
Causes skin irritation.
Causes serious eye damage.
May be corrosive to metals.

Precautionary Statements
Prevention
Keep only in original container.
Do not breathe mists, vapors or spray.

Wash skin thoroughly after handling.
Wear proper protective gloves and clothing
Wear eye and face protection.

Response
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water/shower. Wash contaminated clothing before reuse.
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 a physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a physician. Absorb spillage to prevent material damage.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Storage
Store locked up. Store in a well-ventilated area.

Disposal
Dispose of contents and container in accordance with all local, regional and national regulations.

Hazards Not Otherwise Specified
Not applicable

Section 3: Composition / Information on Ingredients

Chemical Name	CAS#	Concentration % by Weight
Ethylene Glycol Monobutyl Ether	111-76-2	2 – 5%
Propylene Glycol Monobutyl Ether	107-98-2	2 – 5%
Sodium Hydroxide	1310-73-2	0.5 – 4%
Sodium Metasilicate	6834-92-0	1 – 5%
Sodium Dodecyl Sulfate	151-21-3	0.1 – 0.3%

Additional Information - None

Section 4: First Aid Measures

DANGER. May be harmful if swallowed. Causes severe skin irritation and serious eye damage.

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 a physician.

SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower. If skin irritation persists get medical attention.

INHALATION: Move subject to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

INGESTION: Do not induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

Section 5: Fire-Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam.

Specific Hazards Arising from the Chemical: Containers may build pressure and rupture.

Hazardous Thermal Decomposition Products: Carbon Dioxide, Carbon Monoxide

Specific Fire-Fighting Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special Protective Equipment for Fire Fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated ina positive pressure mode.

Section 6: Accidental Release Measures

Personal Precautions: Put on appropriate personal protective equipment (see section 8).

Small Spill: Use appropriate tools to put the spilled liquid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personal from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams, or other bodies of water. Absorb spill with inert material (e.g. vermiculite, sand or earth). Transfer contaminated absorbent, soil and other materials to containers for disposal.

Section 7: Handling and Storage

Precautions:
Keep container dry. Keep away from heat. Keep away from sources of ignition. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents and acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit
.
Personal Protection: Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; Consult a specialist BEFORE handling this product.

Exposure Limits:

Ethylene Glycol Monobutyl Ether
ACGIH (TLV): 20 (mg/m3)
OSHA (PEL): 25 (mg/m3) (skin)
Propylene Glycol Monomethyl Ether

ACGIH (TLV): 100 (mg/m3)
OSHA (PEL): 100 (mg/m3) (skin)

Sodium hydroxide:
ACGIH (TLV): 2 (mg/m3)
OSHA (PEL): 2 (mg/m3).

Sodium Metasilicate
ACGIH (TLV): 10 (mg/m3)
OSHA (PEL): 15 (mg/m3)

ACGIH (American Conference of Governmental Industrial Hygienists)
OSHA (Occupational Safety and Health Administration)
TLH = Threshold Limit Value ; PEL = Permissible Exposure Limit

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid

Molecular Weight: Not available

pH (1% solution): 12 - 13

Boiling Point: Not available

Melting Point: Not Available

Physical State: Liquid

Critical Temperature: Not available

Specific Gravity at 25°C: 1.05 (± 0.05)

Vapor Pressure: Not applicable

Evaporation Rate: Not Available

Odor: Solvent

Taste: Not available

Viscosity: Not Available

Color: Blue

Solubility (in water): Completely

Volatility: Not available.

Odor Threshold: Not available

Vapor Density: Not available

Partition Coeff: Not Available

Section 10: Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility Materials: Oxidizing agents, Acids

Corrosivity: Not available.

Decomposition Products: CO, CO_2

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: LD50: Not available. LC50: Not available.

Effects of Acute Exposure:

Eye: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjuctiva.

Skin: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

Ingestion: Harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

Inhalation: High vapor concentrations may be irritation to respiratory tract.

Carcinogenic Information:
The contents of this material are not listed as a carcinogen by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration) & ACGIH (American Conference of Governmental Industrial Hygienists).

Target Organ Effects: Sodium hydroxide may cause damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes. Ethylene Glycol Monobutyl Ether has caused red blood cell hemolysis in lab animals and secondary injury to the liver and kidney.

Reproductive/Developmental Information: No data.

Acute Toxicity Values for Ingredients:
Ethylene Glycol Monobutyl Ether: Oral LD50 [Rat]: 1300 mg/kg
Sodium Hydroxide: Oral LD50 [Rat]: 2000 mg/kg

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Ingredients:
Sodium Hydroxide**:** LC50, Misquitofish (Gambusia affinis affinis), 125 mg/l, 96hr.
Ethylenediaminetetraacetic acid, tetrasodium: LC50 [Fish]: 100 mg/l, 96 hr.

Section 13: Disposal Consideration

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Waste materials may be hazardous due to the pH/corrosivity.

Section 14: Transport Information

	Land Transport (US DOT)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number	UN 3266	UN 3266	UN 3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, NOS (contains Sodium Hydroxide)	Corrosive Liquid, Basic, Inorganic, NOS (contains Sodium Hydroxide)	Corrosive Liquid, Basic, Inorganic, NOS (contains Sodium Hydroxide)

Transport Hazard Class(es)	8	8	8
Packing Group	II	II	II
Hazard Label(s)	Corrosive	Corrosive	Corrosive
Environmental Hazard	No	No	No
Special Precautions for User	None Assigned	None Assigned	None Assigned

Section 15: Regulatory Information:

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA - Toxic Substance Control Act
All components found in this product comply with the Toxic Substance Control Act inventory reporting requirements.

CERCLA RQ - Comprehensive Environmental Response Compensation and Liability Act Reportable Quantity (40 CFR 302.4)

Ingredient	CAS#	Component RQ
Sodium Hydroxide	1310-73-2	1000 lbs

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III) - SECTIONS 302, 311, 312, AND 313:

SARA 302 - Extremely Hazardous Substances (40 CFR 355 Appendix A):
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 - Hazard Categories:
Fire ( ) Sudden Release ( ) Reactivity ( ) Immediate (acute) (**X**) Chronic (delayed) ( )

SARA 313 - Toxic Chemicals (40 CFR 372.65):
Ethylene Glycol Monobutyl Ether

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s).

D002

Clean Air Act
This product does not contain any hazardous air pollutants (HAP), as definded by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:
Sodium Hydroxide (CAS#1310-73-2)
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 117.3:
Sodium Hydroxide (CAS#1310-73-2)

US State Regulations

Pennsylvania Right To Know

Sodium Hydroxide	CAS# 1310-73-2	0.5 - 4%

Note: If identified components of this product are CERCLA hazardous substances and/or listed under Sections 302, 304 or 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

Section 16: Other Information

HMIS Ratings:
Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection (PPE): B

4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal Protection = B (Safety glasses and gloves)

National Fire Protection Association Ratings:
Health: 2
Flammability: 1
Reactivity: 0

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

References: Not available.
Other Special Considerations: Not available.
Revision Date: 02/07/2018 11:25 AM

Disclaimer: The information contained in this SDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the Manufacturer; he is not responsible for loss, injury and expense arising out of the product's improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS.