

Industrial Strength Cleaner/Degreaser

bio degradable



SECTION 1: Identification

1.1 Product identifier

Product name POWER GREEN Easier Degreaser™

Brand POWER GREEN



1.3 Recommended use of the chemical and restrictions on use

Uses: Degreasing/Cleaning parts; Pre-treat grease stains in clothing; Degreasing Floors; Degreasing grills; treats animal, vegetal and mineral grease. Its concentrate and biodegradable.

DO NOT USE: Polished aluminum

DATE 8/7/2023

1.4 Supplier's details

Name GAMA SOLUTIONS LLC

Address FRESNO, CA 93722

Telephone (833)797-4736

email info@powergreenstore.com

website www.powergreenstore.com

1.5 Emergency phone number(s) Poison Control (800) 222-1222

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, dermal (chapter 3.1), Cat. 5
- Acute toxicity, inhalation (chapter 3.1), Cat. 5
- Serious eye damage/eye irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H313 May be harmful in contact with skin
 H315 Causes skin irritation
 H318 Causes serious eye damage
 H333 May be harmful if inhaled

Precautionary statement(s)

P260 Do not breathe fume/gas/mist/vapors/spray.
 P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/container in accordance with all local, state, and federal regulations.

SECTION 3: Composition/information on ingredients**3.1 Mixtures: THIS PRODUCT IS A MIXTURE IN SOLUTION OF:**

NAME	CAS #	UN	%	CLASIFICATION
Water	7732-18-5	Not Class	e.q.f.	Not Hazard
Sodium Lauryl ether Sulfate	9004-82-4	Not Regulated	1.0-10.0	IRRITATING
Diethylene Glycol Monobutyl Ether	111-76-2	2369	1.0-10.0	Harmful
Sodium Tripolyphosphate	7758-29-4	Not Regulated	0.1-1.0	Not Dangerous
Sodium Hidroxide	1310-73-2	1823	1.0-2.5	CORROSIVE
Vegetable colorant	N/A	Not Regulated	0.0001-0.001	Not Dangerous

Components considered secret cannot be disclosed under the terms of OSHA 29 CFR 1926.59 and 29 CFR 1928.21.

Confidential information standards take precedence over product identification standards. See GHS 1.4.10.5.2.d

The only ingredient in Power Green for which an exposure limit has been established is 2-butoxyethanol (<6%) (butyl celosolve: CAS No. 111-76-2): OSHA PEL and ACGIH TLV is 25 ppm (skin)

NOTE: It should be taken into account that butyl celosolve represents only one of Power Green's raw materials, and that it is subjected to a dilution process during manufacture. Once the manufacturing process

is finished, Power Green DOES NOT REPRESENT HEALTH RISKS associated with exposure to pure butyl celosolve.

Hazardous components

1. Sodium Hydroxide 25%

Concentration 1.0 - 2.5 % (weight)

CAS no. 1310-73-2

- Corrosive to metals (chapter 2.16), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1
- Serious eye damage/eye irritation (chapter 3.3), Cat. 1
- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 3

H290 May be corrosive to metals
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H402 Harmful to aquatic life

3. Diethylene Glycol Monobutyl ether

Concentration 1 - 10 % (weight)

CAS no. 112-34-5

- Serious eye damage/eye irritation (chapter 3.3), Cat. 2A

H315 Causes skin irritation
H320 Causes eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Consult a physician/doctor if necessary. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.

If inhaled Show this material safety data sheet to the doctor in attendance. If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact Remove contact lenses if present. Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower eyelids periodically to insure complete flushing. Seek medical attention irritation persist or if you feel unwell.

If swallowed DO NOT induce vomiting. If conscious, dilute by giving 2-3 glasses of water. Seek medical attention.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling

(see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If any symptoms listed above become present and or persist, contact a physician immediately.
Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Based on all ingredients and dilution factors, this product is not expected to have any specific hazards.

Sodium Hydroxide 25%: Fire Hazard: Not flammable. Explosion Hazard: Product is not explosive.
Reactivity: May be corrosive to metals. Contact with metals may evolve flammable hydrogen gas.

Chelating Agent: Under fire conditions some components of this product may decompose.
The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide. This material will not burn until the water has evaporated. Residue can burn.

Diethylene Glycol Monobutyl ether: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Do not get water inside containers. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.

5.3 Special protective actions for fire-fighters

Fire fighters should enter area only if they are protected from all contact with the material.
Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

Further information

Slipping hazard if product is spilled on the floor.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas.
Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water.

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium Hydroxide 25% (CAS: 1310-73-2)

PEL-C (Inhalation): 2 mg/m³ (Cal/OSHA)

TLV[®] (Inhalation): 2 mg/m³ (ACGIH)

TLV[®]: 2 mg/m³; USA (ACGIH)

REL-C (Inhalation): 2 mg/m³ (NIOSH)

PEL-C: 2 mg/m³; USA (NIOSH)

PEL-C: 2 mg/m³; USA (OSHA)

2. GLYCOL ETHER DB (CAS: 112-34-5 EC: 203-961-6)

TWA: 10 ppm (ACGIH)

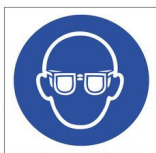
US (ACGIH)

2013

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)



Eye/face protection

Face shield and/or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid
Odor	mild
Odor threshold	No data available.
pH	11 - 12
Melting point/freezing point	0°C (32°F)
Initial boiling point and boiling range	100°C (212°F)
Flash point	Not Flammable
Evaporation rate	No data available.
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.02
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Based on all ingredients and dilution factors, this product is expected to have low reactivity with metal.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Based on all ingredients and dilution factors, this product is not expected to have any hazardous reactions.

10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials

Based on all ingredients and dilution factors, this product should be brought in contact with strong oxidizers.

Sodium Hydroxide 25%: Strong acids. Strong oxidizers. Metals.

Chelating Agent: Avoid contact with: Oxidizers. Flammable hydrogen may be generated from contact with metals such as: Aluminum.

Diethylene Glycol Monobutyl ether: Oxidizers, Acids, Alkalis

10.6 Hazardous decomposition products

Based on all ingredients and dilution factors, this product is not expected to decompose.

Sodium Hydroxide 25%: Hydrogen.

Chelating Agent: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Ammonia Nitrogen oxides.

Diethylene Glycol Monobutyl ether: Not expected to decompose under normal conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sodium Hydroxide 25%: The components of this material have been reviewed in various sources and the following selected endpoints are published:

Sodium Hydroxide(1310-73-2) Oral LD50 Rat 140-340 mg/kg; Dermal LD50 Rabbit 1350 mg/kg

Chelating Agent: Oral: LD50, Rat, 3 030 mg/kg Estimated.

Skin: LD50, Rabbit, > 5 000 mg/kg Estimated.

Diethylene Glycol Monobutyl ether: Acute oral toxicity : Based on acute toxicity values, not classified.

LD50: 2,410 mg/kg Species: Mouse Acute inhalation toxicity : Based on acute toxicity values, not classified.

LC50: > 2.1 mg/l Exposure time: 4 HOURS Species: Rat Acute dermal toxicity : Based on acute toxicity values, not classified.

LD50: 2,764 mg/kg Species: Rabbit Skin corrosion/irritation : Based on skin irritation values, not classified.

Skin corrosion/irritation

Based on all ingredients and dilution factors, this product is expected to cause skin irritation.

Sodium Hydroxide 25%: Severely corrosive to the skin. Causes severe burns.

Diethylene Glycol Monobutyl ether: May cause slight transient skin irritation.

Serious eye damage/irritation

Based on all ingredients and dilution factors, this product is expected to cause serious eye irritation.

Respiratory or skin sensitization

Based on all ingredients and dilution factors, this product is not expected to cause skin sensitization.

Sodium Hydroxide 25%: Not sensitizing

Diethylene Glycol Monobutyl ether: No adverse effect observed.

Germ cell mutagenicity

Based on all ingredients and dilution factors, this product is not expected to be a germ cell mutagen.

Diethylene Glycol Monobutyl ether: No adverse effect observed.

Carcinogenicity

Based on all ingredients and dilution factors, this product is not expected to cause cancer.

Sodium Hydroxide 25%: NTP Not listed. IARC Not listed. OSHA Not listed.

Diethylene Glycol Monobutyl ether: Contains a substance that has a positive carcinogenicity study. The weight of evidence for the carcinogenicity of this substance does not meet the criteria for classification.

Reproductive toxicity

Based on all ingredients and dilution factors, this product is not expected to be a reproductive toxin.

Sodium Hydroxide 25%: No known reproductive toxicity, mutagenic or teratogenic effects in animal experiments are known.

Diethylene Glycol Monobutyl ether: No adverse effect observed.

STOT-single exposure

Based on all ingredients and dilution factors, this product is not an STOT-SE Toxicant.

Diethylene Glycol Monobutyl ether: Based on single exposure toxicity values, not classified.

STOT-repeated exposure

Based on all ingredients and dilution factors, this product is not expected to be toxic to any specific organ with repeated exposure.

Diethylene Glycol Monobutyl ether: Based on repeated exposure toxicity values, not classified.

Aspiration hazard

Based on all ingredients and dilution factors, this product is not expected to be a aspiration hazard.

Chelating Agent: Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

Diethylene Glycol Monobutyl ether: Based on physical-chemical values or lack of human evidence, not classified.

SECTION 12: Ecological information

Toxicity

Sodium Hydroxide 25%: Fish: 96 Hr LC50 Western Mosquitofish: 125 mg/L; 48 Hr LC50 Bluegill: 99 mg/L
Invertebrate: 48 hr EC50 Daphnia magna: 34.59 - 47.13 mg/L

Diethylene Glycol Monobutyl ether: Low acute toxicity to fish; Low acute toxicity to aquatic invertebrates; Low toxicity to algae; Low toxicity to sewage microbes. Based on acute aquatic toxicity values, not classified.

Persistence and degradability

Based on all ingredients and dilution factors, this product may be readily biodegradable.

Sodium Hydroxide 25%: No information available

Diethylene Glycol Monobutyl ether: Biodegradability: 92 % Rapidly degradable. (After 28 days in a ready biodegradability test)

Bioaccumulative potential

Based on all ingredients and dilution factors, this product is not expected to be bio-accumulative.

Sodium Hydroxide 25%: This product is not expected to bioaccumulate.

Diethylene Glycol Monobutyl ether: Bioconcentration factor (BCF): 1.4 - 3.2 Method: (QSAR calculated value) This material is not expected to bioaccumulate.

Mobility in soil

Based on all ingredients and dilution factors, this product is not expected to hydrolyze readily.

Sodium Hydroxide 25%: No information available.

Diethylene Glycol Monobutyl ether: Stability in soil no data available Low absorption to soil particulates predicted :

Stability in Component 1 Not expected to hydrolyze readily.

Results of PBT and vPvB assessment

Based on all ingredients and dilution factors, this product has not been assessed for persistence, bioaccumulation and toxicity (PBT).

SECTION 13: Disposal considerations

Disposal of the product

Dispose in accordance with all applicable federal, state and local regulation. Contact your federal, state, and local authorities for specific rules.

Disposal of contaminated packaging

Dispose in accordance with all applicable federal, state, and local regulation. Contact your federal, state and local authorities for specific rules.

SECTION 14: Transport information

DOT (US)

UN Number: Not regulated as dangerous goods.

Class: N/A

Packing Group: N/A

Proper Shipping Name: N/A

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Poison inhalation hazard: N/A

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

This material is not known to contain a chemical substance known to the State of California to cause cancer, reproductive, or developmental toxicity under California Proposition 65. However, LyondellBasell has not tested for the presence of listed chemical substances.

Pennsylvania Right To Know Components

Sodium Hydroxide 1310-73-2

SARA 311/312 Hazards

Acute (immediate) health effects: No

Chronic (delayed) health effects: No

Sudden release of pressure hazard: No

Reactivity hazard: No

Fire hazard: No

Toxic Substances Control Act (TSCA) Inventory

Product exempt or listed on the TSCA Inventory.

15.2 Chemical Safety Assessment

NFPA (National Fire Protection Association)

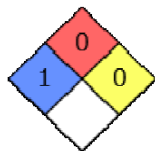
HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

HMIS Rating

POWER GREEN INDUSTRIAL STRENGTH CLEANER/ DEGREASER	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

NFPA Rating



SECTION 16: Other information

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health

UVCB = Substance of unknown or Variable composition, Complex reaction products or

Biological material

fw = fresh water

mw = marine water

or = occasional release

dw = dry weight

SCBA = Self Contained Breathing Apparatus

Legend

Section 8

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH - National Institute for Occupational Safety and Health

TLV - Threshold Limit Values

PEL - Permissible Exposure Limits

IDHL - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average

STEL - Short Term Exposure Limits

S* - Skin notation

TSCA - Toxic Substance Control Act

16.1 Further information/disclaimer

The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship. Safety Data Sheet information is based on the individual ingredients

Safety Data Sheets provided by the supplier.

