

3141 Clifty Drive ● Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME: ProClean® DEGREASER

TYPE: Alkaline cleaner

PRODUCT # 802771

FOR INDUSTRIAL USE ONLY - KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC 800-424-9300 24-Hour Service Company Offices: 812-273-6000 Weekdays

Cara Cyrus: 812-599-3611 Evenings and Weekends Bill Torline: 812-599-4976 Evenings and Weekends

PREPARED DATE: 10-13-16 PREPARED BY: Natalie Green

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Acute Toxicity, Oral	Category 5	H303
	Skin Corrosion/Irritation	Category 2	H315
	Serious Eye Damage/Eye Irritation	Category 2B	H320
	Acute Toxicity, Inhalation	Category 4	H332
	Specific Target Organ Toxicity	Category 2	H373
	Aquatic Toxicity (Chronic)	Category 4	H413

Signal Word WARNING

Symbol



Hazard Statements H303 May be harmful if swallowed.

H315 Causes skin irritation.
 H320 Causes eye irritation.
 H332 Harmful if inhaled.

H373 May cause damage to organs (liver and kidney) through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands, forearms, and exposed areas thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation or rash occurs: Get medical advice/attention

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents / container according to local, regional, national and international regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u> <u>SYNONYM</u> <u>CAS NO.</u> <u>% BY WEIGHT</u>

2-butoxyethanol EGBE, Butyl cellosolve 111-76-2 5 – 15

Ethylene glycol monobutyl ether

Potassium metasilicate None 1312-76-1 1 – 10

If Chemical Name/CAS No is "proprietary" and/or % By Weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a

physician.

SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a

physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry

before reuse.

INGESTION: DO NOT INDUCE VOMITING. Give water. Call a physician. DO NOT give anything by mouth if the

person is unconscious or if having convulsions.

INHALATION: Move subject to fresh air and get medical attention.

PRIMARY ROUTE(S) OF ENTRY: Eyes, skin.

MOST IMPORTANT SYMPTOMS / EFFECTS. ACUTE AND DELAYED:

EYE CONTACT: Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.

SKIN CONTACT: Contacted areas may exhibit irritation.

INGESTION: May be harmful if swallowed. May cause irritation or burns.

INHALATION: May cause nasal and respiratory irritation.

CHRONIC SYMPTOMS: Chronic overexposure to 2-butoxyethanol has apparently been found to cause liver and kidney injury.

blood abnormalities, and gastrointestinal effects in laboratory animals.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, sulfur oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Wear safety eyewear to protect against unexpected splashes. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Do not discharge to sewers or waterways without proper treatment.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Normal for alkaline materials. Store away from acids and strong oxidizing agents. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES: No ingredients identified by OSHA as hazardous are known to be present above de minimus levels.

 CHEMICAL IDENTITY
 CAS NO.
 OSHA PEL
 ACGIH TLV

 2-butoxyethanol
 111-76-2
 50 ppm (skin)
 20 ppm

 Potassium metasilicate
 1312-76-1
 N.E.
 N.E.

ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLVs are exceeded.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved positive pressure supplied air respirator for mists where airborne exposure is excessive.

SKIN PROTECTION:

Impermeable gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Safety eyewear to protect against unexpected splashes.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, blue liquid.

 ODOR:
 Mild.

 ODOR THRESHOLD:
 Not available.

 pH (100%):
 13.1 – 13.6

MELTING POINT/FREEZING POINT 25°F.

INITIAL BOILING POINT AND BOILING RANGE
FLASH POINT (METHOD USED)

EVAPORATION RATE
FLAMMABILITY (SOLID, GAS)
UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT
VAPOR PRESSURE
VAPOR DENSITY

212°F (100°C)
Not available.
1.0 (water = 1).
Not available.
Not available.
Not available.
Not available.

SPECIFIC GRAVITY
SOLUBILITY IN WATER
PARTITION COEFFICIENT: N-OCTANOL/WATER
AUTO-IGNITION TEMPERATURE
VISCOSITY, DYNAMIC
DECOMPOSITION TEMPERATURE
VISCOSITY
Not available.
Not available.
Not available.
Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY: Stable under recommended handling and storage conditions (see Section 7).

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: No data found

INCOMPATIBLE MATERIALS: Strong oxidizing agents, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, sulfur oxides.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY: Not classified. LD50 AND LC50 DATA: Not available.

ROUTES OF EXPOSURE / SYMPTOMS

EYES: Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.

Contacted areas may exhibit irritation. SKIN:

INGESTION: May be harmful if swallowed. May cause irritation or burns.

INHALATION: May cause nasal and respiratory irritation.

GERM CELL MUTAGENICITY: Not classified. TERATOGENICITY: Not available.

CHRONIC EFFECTS / This material contains no ingredient above de minimus concentrations known or suspected to cause **CARCINOGENICITY:**

cancer. Chronic overexposure to 2-butoxyethanol has apparently been found to cause liver and kidney injury, blood abnormalities and gastrointestinal effects in laboratory animals. The injury to the liver and kidneys is believed to be secondary to red blood cell hemolysis, a known effect of 2butoxyethanol in rodents. Humans are resistant to the hemolytic effects of 2-butoxyethanol and therefore the kidney and liver injury noted in animal studies is not considered relevant to human health

hazard evaluation.

SPECIFIC TARGET ORGAN TOXICITY

(Repeated exposure):

May cause damage to organs (liver and kidney) through prolonged or repeated exposure.

REPRODUCTIVE TOXICITY: Not classified.

SPECIFIC TARGET ORGAN TOXICITY

Not classified. (Single exposure): **ASPIRATION HAZARD:** Not classified. **COMPONENT INFORMATION:**

2 -butoxyethanol

LD50 Oral Rat: 560 mg/kg LD50 Dermal Rabbit: 400 mg/kg

LC50 Inhalation Rat: 450 ma/l/4hr LD50 Oral Rat: 1280 mg/kg LD50 Dermal:

Potassium metasilicate No data LC50 Inhalation: No data

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY LC50 Ceriodaphnia dubia: 408.92 mg/L/48hr

PERSISTENCE AND DEGRADABILITY: Not available. Not available. **BIOACCUMULATIVE POTENTIAL: MOBILITY IN SOIL:** Not available.

OTHER ADVERSE EFFECTS: This material contains no hazardous air pollutants (HAPS).

SECTION 13: DISPOSAL CONSIDERATIONS

Normal for alkaline wastes. May require pH adjustment for neutralization. Dispose in accordance with WASTE DISPOSAL METHOD

local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Compound, cleaning, NOI, liquid

HAZARD CLASS: Not applicable.

IDENTIFICATION NUMBER: Not applicable.

PACKING GROUP: Not applicable.

EMERGENCY RESPONSE GUIDE: Not applicable.

SECTION 15: REGULATORY INFORMATION

VOC: 0.61 pounds per gallon (73 grams per liter). **TSCA STATUS** All ingredients are listed on the TSCA inventory.

CERCLA REPORTABLE QUANTITY None established.

x ACUTE HEALTH
FIRE

SARA 311 / 312 HAZARD CLASSES SUDDEN RELEASE OF PRESSURE

x CHRONIC HEALTH
REACTIVE

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for

reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of

the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME CATEGORY CODE CAS NUMBER % BY WEIGHT

2-butoxyethanol N230 111-76-2 7

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive

toxicity.

SECTION 16: OTHER INFORMATION

SDS STATUS: Revised sections 2, 3, 12, and 16 on 10-13-16.

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

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