



SAFETY DATA SHEET

Blue Thunder Degreaser

SECTION 1 – IDENTIFICATION

Product Name: Blue Thunder Degreaser
Product Use: Butyl Cleaner Degreaser/**FOR INDUSTRIAL USE ONLY**
Revision Date: 06/22/2021
Product code: 0101
CAS#: N/A, Mixture

Distributed by:
Shur-Az
871 High Street
Central Falls, RI 02863
401-723-0116

POISON CONTROL NUMBER 1-800-222-1222

SECTION 2 - HAZARDOUS IDENTIFICATION

GHS LABEL SIGNAL WORD: WARNING

GHS SYMBOLS:

Classification: Irritant to eyes and skin



Skin corrosion / Irritation	Category 2
Eye Damage / Eye irritation	Category 2A
Inhalation	Category 2

Emergency Overview

May cause irritation of skin and eyes.

Potential Health Effects

Primary routes of exposure: Skin contact and eye contact.

Skin: Severely irritating to skin. May be absorbed into skin. Prolonged skin contact, may cause dry skin or irritation.

Eyes: Severe irritant. May cause damage to eyes.

Inhalation: Not likely under normal conditions of use.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects; Chronic effects by over exposure to this product have not been established.

Carcinogenicity: NTP; IARC Monographs; The ingredients are not considered a carcinogenic.

SECTION 3 – COMPOSITION /INFORMATION ON INDREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazardous Ingredients	CAS Number	Ingredient % Range
Sodium Hydroxide	51310-73-2	1-5
Sodium Metasilicate Pentahydrate	6834-92-0	1-5
Ethylene Glycol Mono Butyl Ether	111-76-2	5-10

Other ingredients:

Sodium Alkyl Sulfonate	25155-30-0	2-5
Sodium Alkyl Alcohol Ethoxylate	68585-34-2	2-5
Alkyl Phenol Ethoxylate	9016-45-9	2-5
Perfume	N/A	
Dyes	N/A	

SECTION 4 - FIRST-AID MEASURES

Eyes: Immediately flush eye(s) with plenty of water for at least 15 minutes, lifting eye lids occasionally to facilitate irrigation and contact physician. Remove contacts if wearing.

Skin: In case of contact, flush skin with plenty of water.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove victim to fresh air immediately.

SECTION 5 - FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point and Method: Above >210° F closed cup
Flammability Limits (vol/vol%): **LOWER:** No data available **UPPER:** No data available

Extinguishing Media (suitable): Carbon dioxide (CO₂), Dry chemical, Foam, water spray

Protective Equipment: As in any fire wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.

Products of Combustion: These products are carbon oxides (CO, CO₂) nitrogen oxides (NO, NO₂)

Flammable Properties: **NOT FLAMMABLE**

SECTION 6 – ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Prevent further leakage or spillage. Warn Personnel. Cleaning products frequently present a slip hazard. Small quantities may be flushed down drain. Dispose of in accordance of Local, State and Federal Requirements.

SECTION 7 - HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.

Storage: Keep in a dry, cool place. This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage. Store in upright position only. Keep container closed when not in use.

Storage Stability: Stable under normal conditions.

Storage Incompatibility - General: Store separate from: Strong bases, Strong oxidizing agents, Strong acids

Temperature tolerance – Do not store below: - 34 °F (1 °C)

Temperature tolerance – Do not store above: 100 °F (38 °C)

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits**Sodium hydroxide : ACGIH 2MG/M3 CEILING; OSHA 2MG/M3 PEL****2-butoxyethanol: ACGIH BEL 200 mg/g; TWA 20 ppm OSHA PEL 50 ppm, 240 mg/m3****Personal Protection****Respiratory Protection:** Avoid breathing vapor or mist.**Eye/Face Protection:** Splash-proof chemical goggles or face shield.**Skin Protection:** Avoid skin contact by wearing rubber gloves and following good industrial hygiene practice.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Color:	Clear Blue	Vapor Density:	No data available
Physical State:	Liquid	Vapor Pressure:	No data available
Odor:	Clean Fresh Scent	Boiling Point:	212 °F (100 °C) [data for water (7732-18-5)]
pH:	12-14	Freezing Point:	32 °F (0 °C) [data for water (7732-18-5)]
Density:	No data available	Solubility in water:	00%
Specific Gravity:	Approx. 1.02	VOC:	No Data Available
Flash Point:	none		

SECTION 10 – STABILITY AND REACTIVITY

Stability:	This material is chemically stable under normal and anticipated storage, handling and processing conditions.
Stability-Conditions to avoid:	See HANDLING AND STORAGE section of this SDS for specified conditions. See Hazardous Decomposition Products below.
Materials to Avoid:	Strong acids, Strong bases, Strong oxidizing agents
Hazardous Polymerization:	Hazardous polymerization does not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Data for this material and/or its components are summarized below.

Primary routes of exposure: Skin contact and eye contact.**Skin:** Severely irritating to skin. May be absorbed into skin. Prolonged skin contact, may cause dry skin or irritation.**Eyes:** Severe irritant. May cause damage to eyes.**Inhalation:** Not likely under normal conditions of use.**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Hazardous Ingredients	CAS Number	Ingredient % Range	
Sodium Hydroxide	51310-73-2	1-5	severe irritant-oral 400mg/kg LD50 rabbit
Sodium Meta Silicate Pentahydrate	6834-92-0	1-5	severe irritant oral rat LD 50 1153 mg/kg
Ethylene Glycol Mono Butyl Ether	111-76-2	5-10	ingestion, acute oral LD50 Rat, 1300mg/kg Dermal,LD 50 2000 mg/kg guinea pig Inhalation,LCO 1 hr Vapor Guinea pig >3.1 mg/l
Other ingredients:			
Sodium Alkyl Sulfonate	25155-30-0	2-5	Acute Dermal LD 50 >2000 mg/kg rabbit Acute Oral LD 50 > 1000 Rat
Sodium Alkyl Alcohol Ethoxylate	68585-34-2	2-5	N/A
Alkylphenol Ethoxylate	9016-45-9	2-5	Acute Dermal LD 50 Rabbit > 2000 mg/kg Acute Oral LD 50 Rat >1600 mg/kg

Chronic Effects; Have not been established.**Carcinogenicity:** According to IARC, ACGIH, NTP and OSHA The ingredients are not considered a carcinogen.Other information

The information presented is from representative materials with this Chemical Abstract Service (CAS) Registry number. The results vary depending on the size and composition of the test substance.

The surfactants in this product are biodegradable

This Product does not present an acute toxicity hazard based on known or supplied information.

SECTION 12 - ECOLOGICAL INFORMATION

THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.

Ecotoxicity:

Hazardous Ingredients	CAS Number	Ingredient % Range	
Sodium Hydroxide	51310-73-2	1-2	Mosquito fish 96h LC 50=125 mg/l Bluegill sunfish 48 h LC 50= 99 mg/l Brown shrimp 48 h LC 50 =30-100 mg/l
Sodium Meta Silicate Pentahydrate	6834-92-0	1-3	No information listed
Ethylene Glycol Mono Butyl Ether	111-76-2	5-10	LC 50 Inland silverside 1250mg/L 96 h LC 50 water flea (daphnia magna)1720mg/L 24 h
Other ingredients	:		
Water	7732-18-5	>70	
Sodium Alkyl Sulfonate	25155-30-0	2-5	EC 50 Algae 29 mg/L 96 h EC 50 Daphnia 2.4 mg/L 49 h LC 50 fish 1.67 mg/L 96 h
Sodium Alkyl Alcohol Ethoxylate	68585-34-2	2-5	LC 50 1-10 mg/L
Alkylphenol Ethoxylate	9016-45-9	2-5	EC 59 Water flea (Daphnia magna)12.2 mg/l 48 h LC 50 Blue gill (Lepomis macrochinus) 1-1.8 mg/L 96h

Persistence and degradability: The surfactants in this product are readily biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

US Department of Transportation (DOT):	not regulated, CLEANING COMPOUND NOI Non Hazardous
International Maritime Dangerous Goods Code (IMDG):	not regulated, CLEANING COMPOUND NOI Non Hazardous

SECTION 15 - REGULATORY INFORMATION

US. Toxic Substances Control Act TSCA The components of this product are all on the TSCA Inventory.

U.S. Federal Regulations SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Ethylene glycol mono butyl ether 111-76-2 5-10 % n

OSHA Regulated Carcinogens (NTP, IARC, OSHA listed):

NTP: No component in this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 16 - OTHER INFORMATION

Abbreviations and Definitions of terms used:

CAS:	Chemical Abstracts Service (Registry Number)
LC50:	The concentration of a material (inhaled) that will be lethal to 50% of the test animals.
LD50:	The dose (swallowed all at once) which is lethal to 50% of a group of test animals.
N/A:	Not Applicable
N/K:	Not Known
NIOSH:	National Institute for Occupational Safety and Health
PEL:	Permissible Exposure Limit
STEL:	Short term exposure limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

HEALTH EFFECTS FROM EXPOSURE

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; protective equipment used and method of application.

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The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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