

Booyah Clean 2X Heavy-Duty Cleaner Degreaser

SDS Number: VH992XA

Revision Date: 7/24/2018

Page 1 of 5

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

BOOYAH CLEAN, LLC
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Product Identifier: Booyah Clean 2X Heavy-Duty Cleaner Degreaser
SDS Number: VH992XA
Product Code: VH992X
Revision Date: 7/24/2018
EPA Number: Meets EPA Safer Choice Criteria for Direct Release
Product Use: Heavy Duty Cleaner Degreaser

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2

HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING**GHS Hazard Pictograms:****GHS Hazard Statements:**

H303 - May be harmful if swallowed
H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with plenty of water.
P362 - Take off contaminated clothing and wash before reuse.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Booyah Clean 2X Heavy-Duty Cleaner Degreaser

SDS Number: VH992XA

Revision Date: 7/24/2018

Page 2 of 5

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

P402+404 - Store in a dry place. Store in a closed container.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry:	Skin absorption, ingestion, inhalation, eye
Target Organs:	NA
Inhalation:	Inhalation of generated mist can cause nasal and respiratory irritation
Skin Contact:	May cause irritation
Eye Contact:	May cause irritation and burning
Ingestion:	May be Harmful if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
*****		Surfactant
112-34-5	2-10%	Diethylene glycol monobutyl ether

Balance of ingredients are a trade secret as per OSHA 29CFR 1910.1200

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. Get immediate medical advice/attention if respiratory irritation develops or if breathing becomes difficult. If not breathing, give artificial respiration.
Skin Contact:	Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical advice/attention if irritation develops or persists.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical advice/attention if irritation develops or persists.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

5 FIRE FIGHTING MEASURES

Flammability:	Non Flammable
Flash Point:	>200 F

Extinguishing media: Foam, dry chemical, carbon dioxide, water.

Special fire fighting procedures: Full fire-fighting turn out gear and respiratory protection(SCBA).

Unusual Fire & Explosion Hazards: None

6 ACCIDENTAL RELEASE MEASURES

Use appropriate Personal Protective Equipment(PPE). Spill area may be slippery. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable waste container for disposal in accordance with local regulations. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7 HANDLING AND STORAGE



Booyah Clean 2X Heavy-Duty Cleaner Degreaser

SDS Number: VH992XA

Revision Date: 7/24/2018

Page 3 of 5

Handling Precautions: Handle all open containers with care. Handle in accordance with good Industrial Hygiene and safety practice. Use in well ventilated areas. Keep out of reach of children.

Laundry contaminated clothing before reuse. Wash hands before eating, drinking or smoking.

Storage Requirements: Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool, dry area away from incompatibles.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment: HMIS PP, B | Goggles, Gloves
Respiratory Protection: None required under normal use conditions.
Protective gloves: Chemical resistant, rubber
Eye protection: Safety glasses/ goggles

Hygienic work practices: Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Colorless	Odor:	Mild
Physical State:	Liquid	Solubility:	Complete
Spec Grav./Density:	(H2O=1): 1.03 +/- 0.1	Flash Point:	>200 F
Boiling Point:	> 212 Deg. F.	VOC:	0%
pH:	11-11.5		

10

STABILITY AND REACTIVITY

Chemical Stability: Stable and non-reactive under normal conditions of use, storage and transport.

Conditions to Avoid: Excessive heat or freezing.

Materials to Avoid: Strong oxidizers, acids

Hazardous Decomposition: None known.

Hazardous Polymerization: Will not occur.

11

TOXICOLOGICAL INFORMATION

Product meets the U.S. EPA's Safer Choice Criteria for Direct Release Products.
For more information on the Safer Choice Program go online to: www2.epa.gov/saferchoice

Data for the components of this material is summarized as follows:

Acute Toxicity:

Surfactant (CAS # NA):

Oral- LD50 >2000 mg/kg (Rat)

LD50 2,410 mg/kg (Mouse)

Dermal LD50 >2000 mg/kg (Rabbit)

Skin Sensitization- Non-skin sensitizing (Rabbit)

Diethylene glycol monobutyl ether (CAS 112-34-5)

Oral LD50 2,410 mg/kg (Mouse)

Dermal LD50 2,764 mg/kg (Rabbit)

Inhalation IRT >29 ppm, 2h (Rat)

Booyah Clean 2X Heavy-Duty Cleaner Degreaser

SDS Number: VH992XA

Revision Date: 7/24/2018

Page 4 of 5

Eye	OECD 405	24;48;72hours	(Rabbit)	Causes serious eye irritation
Skin	OECD 404	24;48;72hours	(Rabbit)	Not Classified as irritating to skin

Not a skin sensitizer

Low sub-chronic toxicity by the dermal, oral and inhalation routes.

12

ECOLOGICAL INFORMATION

Product meets the U.S. EPA's Safer Choice Criteria for Direct Release Products.

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Data for the components of this material is summarized as follows:

Surfactant (CAS # NA):

Acute Aquatic Toxicity:

Algae EC50 37mg/L, 72h

Crustacea EC50 >100 mg/l, 48h (Daphnia)

Fish LC50 126 mg/L, 96h (Danio rerio)

Chronic Aquatic Toxicity:

Crustacea NOEC 4 mg/l, 21d (Daphnia)

Fish NOEC 1.8 mg/l, 28d (Fish)

Biodegradation:

% degraded in 28 days: >60% ThOD/ThCO2 (>70% DOC)

10 -day window:

Meets 10-day window

Other Components not listed (CAS # NA)

Fish LC50 >100 mg/l, 96h, (Brachydanio rerio)

Aquatic Invertebrates EC50 >100 mg/l, 48h

Microorganisms DIN 38412 Part 8 EC10 10 mg/l, 16h

Degradability/Persistence

Biological / Abiological Degradation

Test method: OECD 301C; IS) 9408; 92/69/EEC, C.4-F

Method of Analysis: DOC reduction

Degree of Elimination: >90%

Test method: OECD 301 A (new version)

Method of Analysis: DOC reduction

Degree of Elimination: 90-100% (14 d)

Test method: OECD 301F; ISO 9408; 92/69/EEC, C.4-D

Method of Analysis: BOD of COD

Degree of Elimination 89%

Readily biodegradable. Based on OECD criteria this component is readily biodegradable

Because of the n-octanol/water distribution coefficient (log Pow) accumulation of this component in organisms is not to be expected.

Diethylene glycol monobutyl ether (CAS 112-34-5)

Fish (Fresh water): LC50 1,300 mg/l, 96h (Lepomis macrochirus)

Fish (Salt water): LC50 2,000 mg/l, 96h (Menidia sp.)



SDS

Booyah Clean 2X Heavy-Duty Cleaner Degreaser

SDS Number: VH992XA

Revision Date: 7/24/2018

Page 5 of 5

Aquatic Invertebrates: EC50 4,950 mg/l, 48h (Daphnia magna)
Aquatic Invertebrates: LC50 13,415 mg/l, 96h (Americamysis Bahia)
Algae: IC50 >100 mg/l, 96h (Desmodesmus subspicatus)
Micro-organisms: EC50 >19,995 mg/l, 30min (Activated sludge)

Readily biodegradable in water
Low potential for bioaccumulation (Log Kow <4)
Low potential for adsorption in soil

13 DISPOSAL CONSIDERATIONS

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: Non-Hazardous, Not Regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Surfactant (0) [n/a%]

Diethylene glycol monobutyl ether (112-34-5) [2-10%] HAP, SARA313, TSCA

Regulatory CODE Descriptions

HAP = Hazardous Air Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined