

Safety Data Sheet (SDS)

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE & OF THE COMPANY/UNDERTAKING**1.1 Product Identifier**

CODE: Oily-L, Oily-R

PRODUCT NAME: Green Boom Remediation Agent

1.2 Relevant Identified Uses Of The Substance Or Mixture & Uses Advised Against**INTENDED USE:** Breakdown of hydrocarbons in spent absorbents, soil, and sand.**1.3 Details Of The Supplier Of The Safety Data Sheet**

NAME: Green Boom Corporation

FULL ADDRESS: 4800 River Green Pkwy, Duluth GA 30096

DISTRICT & COUNTRY: Duluth, GA 30096| United States of America (USA)

PHONE NUMBER: +1 (404) 990 9836

E-MAIL ADDRESS OF THE COMPETENT PERSON RESPONSIBLE FOR THE SAFETY DATA SHEET: info@greenboom.com

1.4 Emergency Telephone Number

FOR URGENT INQUIRIES REFER TO: Green Boom North America LLC

CALL MANUFACTURER: 404-990-9836

2. HAZARDS IDENTIFICATION**2.1 Classification Of The Substance Or Mixture****EC CLASSIFICATION:** The product is classified as non-hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).**OSHA/HCS STATUS:** This product is considered non-hazardous and contains no listed ingredient by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Any additional information concerning the risks for health and/or the environment are given in sections 11, 12 & 16 of this sheet.**GHS LABEL ELEMENTS | HAZARD PICTOGRAMS****SIGNAL WORD** – Warning

The full wording of the hazard (H) and prevention (P) phrases is given in section 16 of the sheet.

2.2 Label Elements**PREVENTION****P102:** Keep out of reach of children.**P280:** Wear protective gloves/eye protection.**P264:** Wash hands thoroughly with soap and water after handling.**RESPONSE****P301 + 331:** IF SWALLOWED: Do not induce vomiting. Get immediate medical advice/attention and show this Product or Label.**P332:** If skin irritation occurs: Wash with plenty of water and soap.**P305 + P351:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**P370 + P378:** In case of fire: Use extinguishing media listed in Section 5 below.**STORAGE****P410:** Protect from sunlight, excessive heat and sources of ignition.**DISPOSAL****P501:** Dispose of contents and container in accordance with all local, regional, national and international regulations.**2.3 Other hazards which do not result in classification/ HHNOC/PHNOC**

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

This mixture contains 0.5-1.5% crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time.

3.2 Mixtures

Identification	Conc. %	Classification 67/548/EEC	CAS#
MICROBES			
Class 1 Hydrocarbon active	0 - 2*	–	None
CHEMICAL NAME CAS NUMBER PERCENT BY WT.			
Potassium Nitrate	2-4*		7457-79-1
Crystalline silica, quartz	0.1-1*		14808-60-7
Potassium Chloride	3-5*		7447-40-7
Ammonium Sulfate	15-20*		7783-20-2

INDEX: *Concentration Percentage applies to SKU Oily-L and Oily-R. T+ = Very Toxic (T+), T = Toxic(T), Xn = Harmful (Xn), C = Corrosive (C), Xi = Irritant, (Xi), O = Oxidizing (O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment (N), Carc. = Carcinogen

4. FIRST AID MEASURES**4.1 Description Of First Aid Measures**

No harm to the staff authorized to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

INHALATION: Inhalation of dust may cause discomfort. Bring subject to the open air. If respiration is difficult, call a doctor immediately.**INGESTION:** Consult a doctor immediately. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious and if not authorized by the doctor.**EYES:** Remove any contact lenses. Wash immediately and abundantly with water OT saline solution for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.**SKIN:** Wash immediately and abundantly with water and soap. If irritation persists, consult a doctor. Wash contaminated garments before reusing them.**4.2 Most Important Symptoms And Effects, Both Acute And Delayed**

No episodes of damage to health ascribable to the product have been reported.

4.3 Indication Of Any Immediate Medical Attention And Special Treatment Needed

Follow doctor's orders.

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5. FIREFIGHTING MEASURES**5.1 Extinguishing Media**

SUITABLE EXTINGUISHING MEDIA: The extinction equipment should be of the conventional kind: carbon dioxide, foam, chemical powder and nebulised water. Do not use strong streams of water or dry chemical that disperses dust into the air. Dust placed in suspension with ignition sources present may flash or explode.

5.2 Special Hazards Arising From The Substance Or Mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE: Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3 Advice For Firefighters

GENERAL INFORMATION: Small Fire: Use dry chemical powder. Large Fire: Use water spray, fog or foam. Always wear full fire prevention gear. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and anti-static), a depressurized mask with face-mask covering the whole of the operator's face or a self-respirator (selfprotector) in the event of large quantities of smoke.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions, Protective Equipment & Emergency Procedures**

If there are no contraindications, spray solid products with water to prevent the formation of dust. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental Precautions

The product does not present a hazard to sewers, surface water, ground water and neighboring areas.

6.3 Methods & Material For Containment & Cleaning Up

Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Water can be allowed to evacuate through sewer systems. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference To Other Sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING & STORAGE**7.1 Precautions For Safe Handling**

Handle the product after consultation with all other sections of this SDS. Do not eat, drink or smoke during use. Follow normal hygiene and housekeeping standards for clean up.

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Store in a well-ventilated place; keep far away from sources of heat, bright flames and sparks and other sources of ignition. Store closed containers in a well-ventilated area away from direct sunlight. Keep containers away from incompatible materials. See section 10.

7.3 Specific End Use(s)

Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use local exhaust as required

Eye protection: Safety glasses or goggles recommended

Gloves: Protective gloves recommended

Respiratory Protection: Use appropriate respiratory protection

Other protective Equipment: As appropriate for the work environment

9. PHYSICAL & CHEMICAL PROPERTIES**9.1 Information On Basic Physical And Chemical Properties**

Appearance	Gray powder
Color	Gray
Odor	Faint odor of hydrocarbons
Odor Threshold	—
pH	—
Melting Or Freezing Point	—
Initial Boiling Point	—
Boiling Range	—
Flash Point	—
Evaporation Rate	—
Flammability Of Solids And Gases	—
Lower Inflammability Limit	—
Upper Inflammability Limit	—
Lower Explosive Limit	—
Upper Explosive Limit	—
Vapor Pressure	—
Vapor Density	—
Relative Density	(0.95 - 1.5)
Solubility	Insoluble
Partition Coefficient:	N-Octanol/Water –
Ignition Temperature	300°C
Maximum Working Temperature	88°C
Viscosity	—
Reactive Properties	—

9.2 Other Information

Product VOC (Directive 2004/42/EC): <0.0 g/kg

10. STABILITY & REACTIVITY**10.1 Stability**

Stable at ambient temperatures.

10.2 Conditions to Avoid

Do not store in moist environments.

10.3 Hazardous Polymerization

Will not occur.

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10.4 Materials to Avoid

Strong oxidizing and reducing materials. Reactive metals including aluminum and magnesium. Do not add primary or secondary amines. A nitrosamine, which may cause cancer, may be formed. Hot nitric acid, bromine trifluoride/ potassium permanganate/sulfuric acid.

11. TOXICOLOGICAL INFORMATION**11.1 Acute Toxicity**

Product Information: Not established

Ingredient Information

Potassium Chloride: Orl-rat LD50: >2,600; Orl-mse LD50: >1,500

Potassium Nitrate: Orl-rat LD50: >2000 mg/kg; Skn-rat LD50: >5000 mg/kg;

Crystalline silica, quartz: Carcinogenicity: IARC 1, ACGIH A2, Known to be a human carcinogen, NIOSH Carcinogen

Ammonium Sulfate: Orl-rat LD50: 2,840-4,250 mg/kg; Skn-rbt LD50: >2,000 mg/kg;

11.2 Acute Effects

Signs and Symptoms of Overexposure: Severe Eye Irritation, Coughing, Sneezing.

Inhalation: Dust may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

Skin Contact: Prolonged exposure may dry skin seen as dryness and redness.

Eye Contact: Causes serious eye irritation seen as stinging, tearing and redness. Ingestion: May cause nausea, vomiting and diarrhea.

Primary Route(s) of Exposure: Eyes, Skin, Inhalation Primary Route(s) of Entry: Inhalation, Ingestion Target Organs: Eyes, Skin, Lungs.

Chronic Effects: Excessive exposure to crystalline silica can cause silicosis, a non-cancerous lung disease.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

12. ECOLOGICAL INFORMATION**12.1 Product Data**

Product Data: Not biodegradable. Does not bioaccumulate.

12.2 Ingredient Data

Potassium Chloride: Toxicity to Fish: Lepomis macrochirus LC50 - 2010 mg/l, Physa heterostropha LC50 - 940 mg/l,

Toxicity to Algae: Scenedesmus subspicatus EC50 - 2500 mg/l

Crystalline silica, quartz: Not expected to be harmful to aquatic organisms.

Discharge into waste waters may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms.

Ammonium Sulfate: Toxicity to Fish: LC50 Atlantic Salmon: 306817 ug/L; Toxicity to Daphnids: LC50 Daphnia magna: 218,400 ug/L

Elimination Information: Nitrate has low potential for adsorption. Portion not taken up by plants can leach to groundwater. Excess nitrate leaching may enrich waters leading to eutrophication. Dissolution of large quantities of chloride salts in water may create an elevated level of salinity which can be harmful to fresh water aquatic species and to plants that are not salt tolerant

13. DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

If unused, no special precautions are necessary. Reuse with appropriate machinery when available. In certain types of cleanup applications, the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained.

DISPOSAL: Dispose according to local regulations.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Information not relevant.

15. REGULATORY INFORMATION**15.1 Seveso Category**

Directive 2012/18/CE: None Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

15.2 Substances In Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances in percentages greater than 0.1%.

15.3 Substances subject to authorization (Annex XIV REACH)

None

15.4 State Right To Know Laws

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain chemicals in the California Prop. 65 Components List.

15.5 Cercla (Comprehensive Environmental Response Compensation And Liability Act)

No reportable quantity.

15.6 Sara Title III (Superfund Amendments & Reauthorization Act)

Ingredients of this product are on the inventory list.

15.7 TSCA (Toxic Substances Control Act)

No listed ingredient.

15.8 Healthcare Controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.9 VOC (Directive 2004/42/EC)

VOC of product: 0.00 g/kg

15.10 Chemical Safety Assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

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16. OTHER INFORMATION

Text of prevention (P) phrases mentioned in section 2 – 3 of the sheet:

P102: Keep out of reach of children.

P280: Wear protective gloves/eye protection.

P264: Wash hands thoroughly with soap and water after handling.

P301 + 331: IF SWALLOWED: Do not induce vomiting. Get immediate medical advice/attention and show this Product or Label.

P332: If skin irritation occurs: Wash with plenty of water and soap.

P305 + P351: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

P370 + P378: In case of fire: Use extinguishing media listed in Section 5 below.

P410: Protect from sunlight, excessive heat and sources of ignition.

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

PWHMIS CLASSIFICATION: Not a controlled product.

16.1 Legend

ADR: European Agreement concerning the carriage of Dangerous goods by Road

CAS NUMBER: Chemical Abstract Service Number

CE50: Effective concentration (required to induce a 50% effect)

CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level

EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50% of the population subject to test

IMDG: International Maritime Code for dangerous goods

IMO: International Maritime Organization

INDEX NUMBER: Identifier in Annex VI of CLP

LC50: Lethal Concentration 50%

LD50: Lethal dose 50%

OEL: Occupational Exposure Level

PBT: Persistent bioaccumulative and toxic as REACH Regulation

PEC: Predicted environmental Concentration

PEL: Predicted exposure level

PNEC: Predicted no effect concentration

REACH: EC Regulation 1907/2006

RID: Regulation concerning the international transport of dangerous goods by train

TB: Transparent Base

TLV: Threshold Limit Value

TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.

TWA STEL: Short-term exposure limit

TWA: Time-weighted average exposure limit

VOC: Volatile organic Compounds

vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

WB: White Base

WGK: Water hazard classes (german)

16.2 General Bibliography

1. Regulation (CE) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp CLP)
13. Regulation (EU) 2017/776 (X Atp CLP) Handling Chemical Safety
14. The Merck Index. – 10th Edition
15. Niosh – Registry of Toxic Effects of Chemical Substances
16. INRS – Fiche Toxicologique (Toxicological Sheet)
17. Patty – Industrial Hygiene & Toxicology
18. N.I. Sax – Dangerous Properties Of Industrial Materials-7, 1989 Edition
19. ECHA website
20. American National Standard for Hazardous Industrial Chemicals - Precautionary Labeling (ANSI Z-129.1-2000).
21. American National Standard for Hazardous Industrial Chemicals - MSDS Preparation (ANSI Z400.1-2004).
22. Health Canada GHS Website: www.healthcanada.ca/ghs;
23. Globally Harmonized System of Classification and Labelling of Chemicals (GHS) ("The Purple Book"), United Nations, 2005 First Revised Edition, available at www.unece.org/trans/danger/publi/ghs/ghs_rev01/01files_e.html or from United Nations Publications (publications@un.org)

NOTE FOR USERS

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.