

Oily™ Remediation Agent (Oily™-R and Oily™-L)

Oily™-R (16 oz jar), Oily™-L (64 oz jug)

01 Identification

Product name	Oily™ Remediation Agent (Oily™-R and Oily™-L)
Product form	Powder
Part numbers	Oily™-R (16 oz jar), Oily™-L (64 oz jug)
Recommended use	Bioremediation of hydrocarbons. Added to drums of used Green Boom™ absorbents and water so naturally occurring microorganisms break down absorbed oil.
Restrictions on use	Do not use with chlorine, disinfectants, or solvents. Do not add primary or secondary amines.
Company	Green Boom North America LLC
Address	1180 West Peachtree Street NW, Atlanta, GA 30309, USA
Telephone	+1 (404) 990-9836
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02 Hazard identification

Classification (OSHA HazCom 2012 / GHS): Carcinogenicity, Category 1A (inhalation). Serious eye damage/eye irritation, Category 2A. Specific target organ toxicity, single exposure, Category 3 (respiratory tract irritation).



DANGER

Hazard statements	H350i: May cause cancer by inhalation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
Precautionary statements: prevention	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing dust. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves and eye or face protection.
Precautionary statements: response	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists, get medical advice. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a poison center or doctor if you feel unwell. P308+P313: IF exposed or concerned: Get medical advice.

Precautionary statements: storage and disposal P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents and container in accordance with local, state, and federal regulations.

Other hazards: The cancer hazard applies to respirable crystalline silica dust. Avoid any handling that raises dust. Contains live, naturally occurring microorganisms; people with weakened immune systems should avoid breathing the dust.

03 Composition / information on ingredients

COMPONENT	CAS NUMBER	WEIGHT %
Bentonite	1302-78-9	64
Ammonium sulfate	7783-20-2	15–20*
Potassium chloride	7447-40-7	3–5*
Potassium nitrate	7757-79-1	2–4*
Crystalline silica, quartz	14808-60-7	≤ 6
Crystalline silica, cristobalite	14464-46-1	≤ 2
Mixed population of naturally occurring microorganisms	Not applicable	≥ 5

* The exact percentage is withheld as a trade secret. Microorganisms are non-GMO aerobic and microaerophilic bacteria, archaea, and fungi on a mineral carrier.

04 First-aid measures

Inhalation	Remove to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin contact	Wipe off excess material. Remove contaminated clothing. Rinse skin with water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical attention immediately.
Most important symptoms	Eye irritation; irritation of nose, throat, and airways from dust. Long-term inhalation of respirable crystalline silica can cause silicosis and lung cancer.
Notes to physician	Treat symptomatically.

05 Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, dry chemical, or foam.
Unsuitable extinguishing media	Alcohol or alcohol-based solutions.
Specific hazards	Not flammable. In a fire, may release ammonia, metal oxides, oxides of carbon, nitrogen, phosphorus, and sulfur, chlorine gas, and hydrogen chloride.
Protective equipment	Wear pressure-demand, NIOSH-approved self-contained breathing apparatus (SCBA) and full protective gear.

06 Accidental release measures

Personal precautions	Avoid creating dust. Ensure adequate ventilation. Wear the protective equipment in Section 8.
Environmental precautions	Do not flush into surface water or sanitary sewer systems.
Clean-up methods	Contain the spill. Collect with clean tools, using a HEPA vacuum or wet methods rather than dry sweeping, into a labelled container for reuse or disposal.

07 Handling and storage

Safe handling	Do not breathe dust. Avoid contact with eyes. Use with adequate ventilation. Follow all label precautions. Wash hands after use.
Storage conditions	Store between 40°F and 100°F (4–38°C) in a well-ventilated place in the original container. Keep tightly closed when not in use. Store locked up. Keep dry until use.
Shelf life	5 years or more when stored as directed.

08 Exposure controls / personal protection

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
Crystalline silica, quartz and cristobalite (respirable)	50 µg/m ³ (8-hr TWA) 29 CFR 1910.1053	0.025 mg/m ³	0.05 mg/m ³
Particulates not otherwise regulated / specified	15 mg/m ³ total 5 mg/m ³ respirable	10 mg/m ³ inhalable 3 mg/m ³ respirable	Not established
Bentonite, ammonium sulfate, potassium chloride, potassium nitrate	Not established	Not established	Not established
Engineering controls	Use outdoors or with local exhaust ventilation. Keep dust levels below exposure limits. Eyewash station should be available.		
Eye protection	Safety glasses with side shields or a face shield.		
Skin protection	Impermeable gloves (nitrile or neoprene). Protective apron or gauntlets for prolonged contact.		
Respiratory protection	Where dust may be generated, use a NIOSH-approved particulate respirator (N95 or better) under a respiratory protection program that meets 29 CFR 1910.134.		
Hygiene	Wash hands and face before eating, drinking, or smoking. Remove and wash contaminated clothing before reuse.		

09 Physical and chemical properties

Physical state / appearance	Powder, light gray with reddish granules
Odor	No data available
pH	No data available
Specific gravity	0.9–1.4
Solubility in water	Partly soluble (salt components dissolve; mineral carrier does not)

Flash point	Not applicable
Melting / boiling point	Not established
Vapor pressure	Not applicable
VOC content	0 g/L
Volatiles by volume	Less than 1%
Operating temperature for microorganisms	32–120°F (0–49°C)

10 Stability and reactivity

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable at ambient temperatures under normal conditions.
Hazardous polymerization	Will not occur.
Conditions to avoid	Moisture during storage (activates the microorganisms) and conditions that promote degradation.
Incompatible materials	Strong oxidizing or reducing agents. Reactive metals such as aluminum and magnesium. Primary or secondary amines (nitrosamines may form). Chlorine, disinfectants, and solvents.
Hazardous decomposition products	See Section 5.

11 Toxicological information

Likely routes of exposure	Inhalation of dust, eye contact, skin contact.
Acute toxicity (components)	Potassium chloride: oral LD50 (rat) > 2,600 mg/kg. Potassium nitrate: oral LD50 (rat) > 2,000 mg/kg; dermal LD50 (rat) > 5,000 mg/kg. Ammonium sulfate: oral LD50 (rat) 2,840–4,250 mg/kg; dermal LD50 (rabbit) > 2,000 mg/kg.
Eye damage / irritation	Causes serious eye irritation (Category 2A).
Skin corrosion / irritation	Not classified.
STOT, single exposure	Dust may cause respiratory irritation (Category 3).
Carcinogenicity	Respirable crystalline silica (quartz, cristobalite): IARC Group 1, carcinogenic to humans; NTP known human carcinogen; ACGIH A2, suspected human carcinogen; OSHA regulated (29 CFR 1910.1053).
Chronic effects	Prolonged or repeated inhalation of respirable crystalline silica can cause silicosis, a progressive lung disease.
Microorganisms	Non-GMO, naturally occurring organisms. The supplier certifies the product pathogen-free.

12 Ecological information

Ecotoxicity (components)	Potassium chloride: bluegill LC50 2,010 mg/L; Physa heterostrophs LC50 940 mg/L; algae EC50 2,500 mg/L. Ammonium sulfate: Atlantic salmon LC50 306.8 mg/L; Daphnia magna LC50 218.4 mg/L.
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Persistence and degradability	Mineral components are not biodegradable. Microorganisms break down hydrocarbons in use.
Bioaccumulation	Does not bioaccumulate.
Mobility in soil	Nitrate has low adsorption and excess may leach to groundwater. Chloride may raise salinity.
Other effects	Excess nitrate and ammonium may contribute to eutrophication of surface waters.

13 Disposal considerations

Product	Dispose of in accordance with local, state, and federal regulations.
Treated absorbent	Absorbent treated with Oily™ keeps the characteristics of the absorbed oil until breakdown is complete. Characterize the waste and dispose of it according to regulations. Composting is allowed only where regulations permit.
Container	Empty completely. Containers can be recycled or disposed of as solid waste.

14 Transport information

US DOT	Not regulated
IMDG (sea)	Not regulated
IATA (air)	Not regulated
UN number / shipping name / class	Not applicable

15 Regulatory information

OSHA HazCom 2012	Hazardous. Classified as described in Section 2. Crystalline silica is regulated under 29 CFR 1910.1053.
TSCA	All components are listed on the TSCA Inventory or exempt.
CERCLA / SARA Title III	No reportable quantity. Not regulated under SARA 302 or 304. SARA 311/312 hazard categories: carcinogenicity; serious eye damage/eye irritation; specific target organ toxicity (single exposure).
California Proposition 65	WARNING: This product can expose you to chemicals including crystalline silica (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .
NFPA 704	Health 2 · Flammability 1 · Instability 0
Canada (WHMIS 2015)	Classified as hazardous under the Hazardous Products Regulations (carcinogenicity, eye irritation, STOT single exposure).

16 Other information

Revision date	October 5, 2026
Version	1.0
Supersedes	MSDS dated 03/04/2024

Changes from previous version	Composition, hazard classification, and Proposition 65 statement updated to match supplier data. Potassium nitrate CAS number corrected to 7757-79-1. Current OSHA silica limit added.
Prepared by	Green Boom North America LLC
Reviewed by	Sudhir Sharma
Disclaimer	The information in this SDS is believed to be accurate as of the revision date and is provided in good faith. It does not constitute a warranty. Users should make their own determination of suitability for their particular use and must comply with all applicable laws and regulations.