

Green Boom™ SludgeCure™-Bio Biosolids Solidifier

Not yet assigned

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	Green Boom™ SludgeCure™-Bio Biosolids Solidifier
Product form	Granular solid: treated wheat straw
Part numbers	Not yet assigned
UFI	Not required (not classified as hazardous)

1.2 Relevant identified uses and uses advised against

Identified use	Solidification and conditioning of dewatered biosolids and wastewater sludge (lagoon and digester cleanouts, drying beds) for handling and disposal. Binds free water so biosolids handle as a stable solid. Not a pathogen-reduction or vector-attraction-reduction process under 40 CFR Part 503.
Uses advised against	Corrosive liquids (strong acids or bases) and highly reactive chemicals.

1.3 Details of the supplier of the safety data sheet

Supplier (EU distributor)	Dalton Safety
Address	Unit 5 Anglo Business Park, Smeaton Close, Aylesbury, Buckinghamshire HP19 8UP, United Kingdom
Telephone	+44 1296 935749
E-mail (competent person)	enquiries@daltonsafety.com
Manufacturer	Green Boom North America LLC, 1180 West Peachtree Street NW, Atlanta, GA 30309, USA
Telephone	+1 404 990 9836
Website	www.greenboom.com

1.4 Emergency telephone number

SERVICE	TELEPHONE
Supplier (office hours, Mon–Fri 09:00–17:00 UK time)	+44 1296 935749
Manufacturer (USA)	+1 404 990 9836
France: ORFILA (24/7)	+33 1 45 42 59 59
Spain: Servicio de Información Toxicológica (24/7)	+34 91 562 04 20
Italy: Centro Antiveleni Niguarda, Milano (24/7)	+39 02 6610 1029
Germany: Informationszentrale gegen Vergiftungen, Bonn (24/7)	+49 228 19240
Ireland: National Poisons Information Centre	+353 1 809 2166

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Hazard pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	Not required. Good practice: avoid breathing dust; wash hands after handling; dispose of used product according to the hazards of the absorbed liquid.

2.3 Other hazards

Used product takes on the hazards of the liquid absorbed; refer to the safety data sheet of the absorbed liquid. The product does not make flammable liquids non-flammable, neutral, or less hazardous. Fine dust may form combustible dust concentrations in air if dust clouds are created.

Does not contain substances that meet the PBT or vPvB criteria of REACH Annex XIII. Does not contain substances identified as having endocrine-disrupting properties at 0.1% or more.

SECTION 3 Composition/information on ingredients

3.2 Mixtures

COMPONENT	CAS	EC	REACH REG. NO.	WEIGHT %	CLP
Wheat straw (Triticum aestivum), treated	—	—	Not required (natural material, REACH Annex V)	98–100	Not classified
Proprietary polymer blend	Confidential	Confidential	Polymer: exempt from registration (REACH Art. 2(9))	< 2	Not classified

Plant-based absorbent material, containing less than 2% by weight of a proprietary polymer blend. The blend is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP); its identity is withheld as confidential business information. No substances on the REACH Candidate List of Substances of Very High Concern (SVHC) are present at 0.1% w/w or more.

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation	Not expected for the product as supplied. If dust causes irritation, move to fresh air. Get medical advice if symptoms persist.
Skin contact	No special measures for unused product. Wash with soap and water. For used product, follow the SDS of the absorbed liquid.
Eye contact	If dust or fibres enter the eyes, rinse with water for several minutes. Remove contact lenses if easy to do. Get medical advice if irritation persists.
Ingestion	Rinse mouth with water. Get medical advice if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Temporary mechanical irritation of eyes or airways from dust. No delayed effects expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. For used product, consider the hazards of the absorbed liquid.

SECTION 5 Firefighting measures

5.1 Extinguishing media

Suitable	Unused product: water spray, foam, dry powder, carbon dioxide. Used product: media suitable for the absorbed liquid.
Unsuitable	High-pressure water jet, which may scatter burning material or raise dust.

5.2 Special hazards arising from the substance or mixture

Combustible solid. Combustion produces carbon monoxide, carbon dioxide, and smoke. Used product may be flammable depending on the liquid absorbed. Dust clouds may be explosive if ignited.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing (EN 469).

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid creating dust. Wear gloves and eye protection.

6.2 Environmental precautions

Unused product: no special measures. Keep used product, which contains absorbed oil, out of drains, surface water, and soil.

6.3 Methods and material for containment and cleaning up

Sweep up or vacuum unused product for reuse or disposal. Collect used product in suitable, labelled containers.

6.4 Reference to other sections

See Section 8 for personal protection and Section 13 for disposal.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Use good industrial hygiene practice. Avoid breathing dust. Do not use with strong acids, strong bases, or strong oxidisers. Avoid dust accumulation; keep away from ignition sources when handling large quantities.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place away from naked flames and sources of ignition. Keep packaging closed until use. Shelf life: indefinite when stored dry.

7.3 Specific end use(s)

Absorption of oil and oil-based liquids. See Section 1.2.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

No component has an EU occupational exposure limit. Where dust is generated, national limits for inert dust apply:

SUBSTANCE	LIMIT VALUE (8 H TWA)
Inert/nuisance dust, inhalable fraction	National OELs apply (e.g. DE AGW 10 mg/m ³ , FR VLEP 10 mg/m ³)
Inert/nuisance dust, respirable fraction	National OELs apply (e.g. DE AGW 1.25 mg/m ³ , FR VLEP 5 mg/m ³)

DNEL/PNEC: not applicable (no registered hazardous substances).

8.2 Exposure controls

Engineering controls	General ventilation is normally sufficient. Use local exhaust where dust is generated.
Eye/face protection	Safety glasses (EN ISO 16321) if dust is present.
Hand protection	Work gloves (EN 388). For used product, gloves suitable for the absorbed liquid (EN ISO 374).
Respiratory protection	Not normally required. If dust exceeds limits, use a particle filter mask FFP2 (EN 149).
Environmental exposure controls	Prevent used product from entering drains and watercourses.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid (granules)
Colour	Tan to light-yellow granules. Supplied in bags.
Odour	Slight, grass-like
Melting point/freezing point	Does not melt; decomposes above approx. 160 °C
Boiling point	Not applicable
Flammability	Combustible solid
Lower/upper explosion limit	Not determined (dust)
Flash point	Not applicable
Auto-ignition temperature	Approx. 300 °C
Decomposition temperature	> 160 °C
pH	Not applicable
Kinematic viscosity	Not applicable
Solubility	Insoluble in water
Partition coefficient n-octanol/water	Not applicable
Vapour pressure	Not applicable
Density and/or relative density	Approx. 0.85
Relative vapour density	Not applicable
Particle characteristics	Granules

Maximum working temperature approx. 88 °C. Hydrophilic: absorbs and binds free water in drill cuttings.

9.2 Other information

No further data.

SECTION 10 Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Naked flames, sparks, temperatures above approx. 160 °C. Dust formation.

10.5 Incompatible materials

Strong oxidisers, strong acids, strong bases.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, smoke on combustion.

SECTION 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Criteria not met.
Serious eye damage/irritation	Criteria not met. Dust may cause temporary mechanical irritation.
Respiratory or skin sensitisation	Criteria not met.
Germ cell mutagenicity	Criteria not met.
Carcinogenicity	Criteria not met.
Reproductive toxicity	Criteria not met.
STOT single exposure	Criteria not met.
STOT repeated exposure	Criteria not met.
Aspiration hazard	Not applicable.

11.2 Information on other hazards

Endocrine disrupting properties: none known.

SECTION 12 Ecological information

12.1 Toxicity

Unused product is not expected to be harmful to aquatic or terrestrial organisms. No test data.

12.2 Persistence and degradability

Readily biodegradable plant materials (100% biobased).

12.3 Bioaccumulative potential

Not expected.

12.4 Mobility in soil

Insoluble solid; not mobile.

12.5 Results of PBT and vPvB assessment

Does not meet the PBT or vPvB criteria.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Used product contains absorbed oil and must not be released to the environment.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Unused product	Not hazardous waste. European Waste Catalogue (EWC) code 15 02 03 (absorbents, wiping cloths not contaminated by hazardous substances). Landfill or composting where permitted.
Used product	EWC code 15 02 02* (absorbents and wiping cloths contaminated by hazardous substances) when contaminated with oil. Dispose of through an authorised waste contractor in accordance with Directive 2008/98/EC and national rules. Where permitted, treatment with Oily™ to break down absorbed hydrocarbons before composting.
Leaching test	This product passes the U.S. EPA Toxicity Characteristic Leaching Procedure (TCLP, SW-846 Method 1311) in independent laboratory testing.
Packaging	Paper and cardboard: recycle (EWC 15 01 01).

SECTION 14 Transport information

14.1–14.4 UN number, proper shipping name, transport hazard class, packing group

Not regulated for transport under ADR/RID/ADN, IMDG, or ICAO/IATA (unused product).

14.5 Environmental hazards

Not a marine pollutant.

14.6 Special precautions for user

Used product may be regulated depending on the liquid absorbed.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Annex XVII (restrictions)	Not applicable.
REACH Candidate List (SVHC)	No SVHC at 0.1% w/w or more.
REACH Annex XIV (authorisation)	Not applicable.
Seveso III (Directive 2012/18/EU)	Not applicable.
Certifications	USDA Certified Biobased Product (100% biobased content). DIN CERTCO biobased, reg. no. 8C262.

15.2 Chemical safety assessment

Not carried out.

SECTION 16 Other information

16 Revision and notes

Date of issue / revision	05.10.2026
Version	1.0 (first EU edition, English)
Classification method	Based on composition and available data (Regulation (EC) No 1272/2008, Article 9).
Abbreviations	CLP: Classification, Labelling and Packaging Regulation. REACH: Regulation (EC) No 1907/2006. SVHC: substance of very high concern. PBT/vPvB: persistent, bioaccumulative and toxic / very persistent and very bioaccumulative. OEL: occupational exposure limit. EWC: European Waste Catalogue.
Training advice	Users should be trained in spill response and the handling of the liquids being absorbed.
Prepared by	Green Boom North America LLC
Reviewed by	Sudhir Sharma
Disclaimer	The information in this safety data sheet is based on our current knowledge and is given in good faith. It describes the product with regard to safety requirements and does not constitute a guarantee of properties.