

MUSTY2009 Loose Sorbent
Safety Data Sheet
September 2026
NON-HAZARDOUS



Section 1 – Identification:

Commercial Product Name: MUSTY2009

Supplier: Recoverit International Pty Ltd, 19/3-13 Bundarra Avenue,
Wahroonga, NSW, 2076, AUSTRALIA, +61 473486459 / +61 421849452

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Recommended use: Reusable sorbent for hydrocarbon clean up on water and land.

Section 2 – Hazard(s) identification

Non-toxic to humans, wildlife, and the environment, in general.

The main potential health risks are acute dust inhalation, acute MUSTY2009 ingestion, and acute and chronic eye or skin contact in people with sensitivities.

- Inhalation - This may produce discomfort in the respiratory system.
- Eye or skin contact - This may produce discomfort to the skin.
- Ingestion – MUSTY2009 can expand if consumed and may cause constipation.

If an exposed person shows any signs of distress or excessive symptoms due to the above, please seek urgent first aid and/or medical attention.

(see Section 4)

Caution: MUSTY2009 may be delivered new under low compression (like a bedroom pillow). Care should be taken to ensure sufficient space is available for it to expand naturally when opened.

Hazardous substance classification and dangerous goods class:

- Non-Hazardous material according to NOHSC criteria, GHS criteria, and ADG Code.

Section 3 – Composition and information on ingredients

The major ingredients are plant-derived natural polymers, combined under pressure to form an elastomeric compound. Elemental components include Carbon, Hydrogen, Oxygen and Silicon.

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Section 4 – First aid measures

These first-aid measures are for overexposure to MUSTY2009 or its dust.

- Inhalation - may cause choking or breathing difficulties. Seek urgent medical assistance and begin first aid.
- Eye contact - may cause eye irritation or scratches to the eye if rubbed. Immediately and gently flush the contaminated eye(s) with lukewarm freshwater or a neutral saline solution for 5-15 minutes, holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye. If eye irritation persists, seek urgent medical assistance.
- Skin contact - Wash the skin area with soap and water. If irritation occurs and/or persists, or an allergic reaction occurs, seek urgent medical attention.
- Ingestion - Voluntary ingestion of significant quantities would be very unpleasant, so unlikely. But should a person ingest some MUSTY2009, treat for constipation and seek medical assistance if large quantities are consumed

Section 5 – Firefighting measures

Hazardous characteristics:

- MUSTY2009 adsorbent material is NOT considered FLAMMABLE, except under extreme temperatures within a fire caused and fueled by other flammable material.
- May produce toxic fumes, for example, carbon monoxide, if burning.

Flashpoint - Not Applicable

Auto ignition temperature - Unknown

Special Protective Equipment - Wear full protective equipment with self-contained breathing apparatus.

Extinguishing media:

- Use extinguishing media suitable and available for the surrounding area.
- There is no restriction on the type of extinguisher that may be used.

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Section 6 – Accidental release measures

Emergency measures: MUSTY2009 is low-density, inert, and environmentally friendly, in a dry, rice-sized granular form.

Land spill - If any MUSTY2009 is spilled on the ground, it can be easily and safely collected and returned to its containment. Prevent any accidental discharge to drains with a suitable cover or bund.

Water spill - If any MUSTY2009 is spilled into water, contain it, collect it with the sieves for response purposes, and dry it out of the sun and wind, then return it to its original containment.

Biodegradable/compostable – MUSTY2009 is biodegradable, with more than 60% of it consumed by water within 28 days. It is also compostable.

Section 7– Handling and storage, and safe use

Handling and storage:

- Compression – MUSTY2009 is delivered packaged under low compression. Take care when opening for the first time, allowing space and time for MUSTY2009 to regain its bulk.
- Storage – MUSTY2009 should, where possible, be stored in its original solid and impermeable bags, buckets or drums, or similar, in a dry place out of the sun.
- Precautions - Keep MUSTY2009 away from acids, alkalis, liquid hydrocarbons and other substances that could affect the containers or MUSTY2009 quality.
- Reusability – MUSTY2009 is designed and manufactured to be a reusable material. After each application, it can be squeezed to remove its contaminant load and refreshed for a second (and subsequent) use.

Safe use:

- MUSTY2009 is designed to be spread over spilled hydrocarbons to prevent their spread and to collect and remove them from the environment. On its own, it is generally inert, low-hazard, and non-toxic, as described in the sections above.

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Section 7– Handling and storage, and safe use (continued)

General hygiene requirements:

- Eating, drinking and smoking in work areas are prohibited.
- Wash hands after use.
- Remove contaminated clothing and protective equipment before entering eating, washroom, or other non-work areas.
- Use appropriate PPE for the circumstances (pre-oil or oil recovery) and context (in store or in the field) - see Section 8 below.

Use with hydrocarbon cleaning:

- However, once engaged with hydrocarbons, all the hazards associated with these apply. So, the following are good behaviour and hygiene standards for using MUSTY2009 before and after it has been used on spilled hydrocarbons.

Section 8 – Exposure controls and personal protection

NON-HAZARDOUS Product

- Although MUSTY2009 is considered NON-HAZARDOUS, being inert, non-toxic, low flammability, and environmentally-friendly, human health hazards are still possible. These relate to overexposure to MUSTY2009, as outlined in Sections 2 (Hazards) and 4 (First Aid) above.
- Exposure pathways are: Inhalation (primarily of dust); Ingestion; and Skin and Eye Contamination.
- There are no exposure limits for MUSTY2009.

Engineering Controls:

- MUSTY2009 is designed to be handled both indoors and outside. Good ventilation is required for both locations to minimise dust exposure.
- MUSTY2009 comes in original packaging under low compression, so opening should be undertaken carefully and space and time should be allowed for MUSTY2009 to bulk up.
- Have freshwater and first aid personnel and kits available when in use, before and after application to spilled oil.

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Section 8 – Exposure controls and personal protection (continued)

Personal Protective Equipment (PPE) for MUSTY2009 use:

- Eye (glasses or goggles) protection is recommended, both to protect during opening MUSTY2009 and when it is being moved or applied, as it may contain small particles and dust.
- Mouth and nose dust masks are also recommended to minimize inhalation of dust or other small particles.
- Skin protection is recommended, including lightweight work gloves, head gear (cap) and coveralls or complete arm and leg coverings. For the product alone, these can be cotton, Tyvek or similar.

PPE for use when MUSTY2009 has been deployed into a spilled oil context.

- This is an entirely different context and set of hazards.
- Follow all oil spill response hazard and safety protocols.
- Full spill response PPE is required, reflecting the significantly greater toxicity and health threats of the oil through multiple exposure pathways, and its other hazards.

Section 9 – Physical and chemical properties

Appearance and properties:

- Granular, of small (2- 5 mm) solid particles
- May have minor dust within the packaging.
- Black and brown in colour.
- Minor odour of plastics.
- Density (specific gravity) of around 0.35 or 35%.
- Neutral pH.
- Autoignition temperature is unknown.
- Non-flammable.
- Insoluble and immiscible in water.
- Biodegradable in water (see Section 12. Ecological information.)
- Compostable.

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Section 10 – Stability and reactivity

Stable and non-reactive product:

- Effectiveness degrades if left in sunlight, or if contaminated with acids, alkalis or liquid hydrocarbons, other than as deployed for clean-up purposes.
- Could release carbon monoxide and smoke/soot if incinerated.

Section 11 – Toxicological information

NON-TOXIC Product:

- MUSTY2009 has predominantly minor potential human health risks as specified in Section 2 (Hazards) and Section 4 (First Aid) above, through various pathways due primarily to overexposure.
- It can cause physical irritation of eyes, skin and respiratory tract.
- Some people may be sensitive to the plant proteins, and so respond with more acute symptoms, such as allergic contact dermatitis.
- Skin sensitivity testing is the best first action, followed by First Aid and medical assistance should it be necessary.

Data not available for the following:

- Carcinogenicity
- Mutagenicity
- Reproductive toxicity
- Skin corrosion
- Specific Target Organ Toxicity

Collected Hydrocarbon Toxicity

- As noted above, no account can be made for the inherent toxicity of the various hydrocarbons MUSTY2009 will be used to collect, recover and remove from the environment. Operators should be fully aware of the hazards associated with these before beginning response operations.

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Section 12 – Ecological information

Ecotoxicity:

- LD50 and LC50 - Not available.
- Environmentally inert product.

Biodegradation:

- Meets AMSA OSCA requirements of greater than 60% degraded over 28 days in seawater inoculum. (see section 15. Regulatory Information)
- Compostable as waste.

Other harmful environmental effects

- None known or reported.
- Low density, so if uncollected, will float at the surface, subject to UV-enhanced biodegradation.
- Designed to biodegrade in seawater if uncollected and not considered harmful to marine life.
- No known bioaccumulation potential.
- No known mobility in soil.

Section 13 – Disposal considerations

Disposal methods

- MUSTY2009 is designed to be used more than once, after being squeezed out of its contaminant load. This is not a single-use material.
- It is also designed to be cleaned at the conclusion of the response, repacked and made available for future use.
- Should it reach the end of its effective life, it can be composted, incinerated in a suitable facility, or returned to the manufacturer or representative for preprocessing into new MUSTY2009.

Section 14 – Transport information

MUSTY2009, being largely NON-HAZARDOUS, has no special transport information requirements, but will always travel with appropriate documentation, including an SDS.

- UN No: Not regulated for Transport of Dangerous Goods
- Packaging Flag: Flammable solids.
- Packing Type: Bag, bucket or Drum
- Packing: According to customer requirements; no special requirements.

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Section 15 – Regulatory information

- Meets Australian Maritime Safety Authority *National Plan for Maritime Environmental Emergencies* Oil Spill Control Agent requirements for use as a Loose Sorbent – Organic, for marine and shoreline oil spill (and other hydrocarbon) response, as per the AMSA OSCA Policy and Registry.
- Otherwise not available

Section 16 – Any other relevant information

SDS completed with reference to and in accordance with the instructions and guidance included in the Safe Work Australia, *Preparation of safety data sheets for hazardous chemicals Code of Practice (June 2023)*.