

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE

PRODUCT NAME: ISORB MIOGEL MGB4-W.

PRODUCT CODE: IS03/MGB4W.

Relevant identified uses of the substance or mixture and uses advised against:

Biological encapsulator and degrader of oils and other petroleum products. Used to clean contamination located in soils and found on surfaces of various construction materials i.e. concrete, brickwork and tarmacadam.

Details of the supplier of the safety data sheet:

Beyond Environmental

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Emergency telephone: 630.450.3089

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture:

The components of this product are not regulated as hazardous under 29CFR 1910.1200

Label elements:

Do not ingest. Avoid eye contact and prolonged skin contact.

Keep out of reach of children. Avoid product freezing.

Precautionary Statements - Prevention:

Wear eye/face protection. Wear protective gloves. See Section 8 for additional information.

Precautionary Statements - Response:

See Section 4.

Other hazards:

iSorb MioGels may cause slippery conditions during application to hard surfaces.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

CAS-No. 7732-18-5 EC-No. 231-791-2

CAS-No. 9004-34-6 EC-No. 232-674-9

Proprietary formulation with no components that need to be disclosed according to the applicable regulations.

Products do not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California Prop 65. All ingredients are TSCA compliant.

SECTION 4 - FIRST AID MEASURES

4.1. Description of first aid measures:

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Presents no known hazards.

In case of skin contact: Remove by washing off well with soap and water.

In case of eye contact: Immediately flush with plenty of water. Remove contact lenses if present and easy to do. If irritation persists get prompt medical attention.

If swallowed: Do not induce vomiting and never give anything by mouth to an unconscious person. Drink plenty of water. Get prompt medical attention.

4.2. Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION 5 - FIREFIGHTING MEASURES

5.1. Extinguishing media:

Use any means appropriate for extinguishing surrounding fire.

5.2. Special hazards arising from the substance of mixture:

None known.

5.3. Advice for firefighters:

Use standard fire fighting equipment.

5.4. Further information:

Autoignition temperature: Does not apply. Minimum Explosive Concentration: Does not apply.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

When there is a risk of spray mist or splashing wearing protective coveralls is recommended.

6.2. Environmental precautions:

None known.

Dispose of unused product and container in accordance with all applicable local and regional requirements.

6.3. Methods and materials for containment and cleaning up:

Use water to wash off accidental spills. Residual material can be flushed with clean water into sewer drains for normal wastewater treatment. Keep traffic in the area of a spill to a minimum. When used to clean hazardous chemicals, all handling procedures MUST comply with those of the chemicals being cleaned or treated.

6.4. Reference to other sections:

For personal protection see section 8.

SECTION 7 - HANDLING AND STORAGE

7.1. Precautions for safe handling:

Spills can cause slippery conditions. Otherwise, presents no special hazards.

7.2. Conditions for safe storage, including any incompatibilities:

Store in tightly closed containers in a dry area at temperatures above 10°C. Avoid product freezing and exposure to extreme temperatures. For shelf life see use by date on containers.

7.3. Specific end use(s):

Apart from the uses mentioned in Section 1.2, iSorb MioGels can be used in a variety of applications to clean and biodegrade organic materials. An ideal natural alternative to using chemicals that can harm the environment, MioGels are particularly useful for treating areas affected by hydrocarbon based contamination in-situ when access is limited and disruption to business activity needs to be minimized. MioGels are equally effective on horizontal and vertical surfaces.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters:

Provide local exhaust if required to ensure good ventilation.

8.2. Exposure Controls:

Appropriate engineering controls: These products are not regulated as a hazardous material.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding-stuffs.

Always remove contaminated clothing and protective equipment before entering areas where food is prepared or consumed.

Eye/face protection: Wear safety glasses with side shields or goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Ensure any open wounds are fully protected. Gloves should be inspected before use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with contaminants. Dispose of contaminated gloves after use in accordance with applicable laws and good local practices. Wash and dry hands.

Respiratory protection: Respiratory protection is not required unless nuisance dust is apparent in the area of application. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Presents no special hazards. For methods and materials for containment and cleaning up see Section 6.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties:

a) Appearance	Form: Pourable smart gel Colour: Honey/light gold
b) Odor	Slight odor
c) Odor Threshold	Does not apply
d) pH	7.2
e) Melting Point / Freezing Point	Does not apply / 0.0°C (32°F)
f) Initial Boiling Point and Boiling Range	100.0°C (212°F)
g) Flash Point	Does not apply
h) Evaporation Rate	No data available
i) Flammability (solid, gas)	Nonflammable
j) Upper/Lower Flammability or Explosive Limits	Does not apply
k) Vapour Pressure	Does not apply
l) Vapour Density	Does not apply
m) Relative Density	Does not apply
n) Water Solubility	Substantial
o) Partition Coefficient: n-Octanol/Water	No data available
p) Auto-ignition Temperature	Does not apply
q) Decomposition Temperature	No data available
r) Viscosity	Ranges from > 200 cps to < 50,000 cps
s) Explosive Properties	Does not apply
t) Oxidizing Properties	Avoid contact with strong oxidizing agents

9.2. Other information

No data available.

SECTION 10 - STABILITY AND REACTIVITY**10.1. Reactivity:**

No data available.

10.2. Chemical Stability:

Stable under normal and recommended storage and handling conditions.

10.3. Possibility of hazardous reactions:

None known.

10.4. Conditions to avoid:

None known.

10.5. Incompatible materials:

None known.

10.6. Hazardous decomposition products:

None known.

SECTION 11 - TOXICOLOGICAL INFORMATION**Information on toxicological effects:****Acute toxicity:**

Does not apply.

Skin corrosion/irritation:

May be irritating to sensitive areas.

Serious eye damage/eye irritation:

May be irritating to eyes.

Respiratory or skin sensitization:

Prolonged or chronic exposure may lead to allergic sensitization.

Germ cell mutagenicity:

Does not apply.

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No COCs detected at < 0.00001%.

Reproductive toxicity:

Does not apply.

Specific target organ toxicity - single exposure:

No data available.

Specific target organ toxicity - repeated exposure:

No data available.

Aspiration hazard:

Large quantities may cause symptoms of gastrointestinal irritation. Chronic exposure may lead to allergic sensitization.

SECTION 12 - ECOLOGICAL INFORMATION**12.1. Toxicity:**

Poses no known threat.

12.2. Persistence and degradability:

Biodegradable.

12.3. Bioaccumulative potential:

See section 12.5.

12.4. Mobility in soil:

Low viscosity gels are readily absorbed into soil.

12.5. Results of PBT and vPvB assessment:

These products contain no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects:

None known.

SECTION 13 - DISPOSAL CONSIDERATIONS**Waste treatment methods:****Product:**

Non-hazardous as presented.

Disposal instructions:

Dispose as non-hazardous waste. When used to clean hazardous chemicals, all handling procedures must comply with the local, state and federal regulations applicable to the chemicals being cleaned or treated.

Other information:

No regulatory designations or EPA waste numbers are currently applicable to these products.

SECTION 14 - ACCIDENTAL RELEASE MEASURES**14.1. UN number:**

ADR/RID, IMDG, IATA, USDOT: Not Classified.

14.2. UN proper shipping name:

ADR/RID, IMDG, IATA, USDOT: Not Dangerous Goods.

14.3. Transport hazard class(es):

ADR/RID, IMDG, IATA, USDOT: Not Dangerous Goods.

14.4. Packaging group:

ADR/RID, IMDG, IATA, USDOT: Not Classified.

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SECTION 14 - ACCIDENTAL RELEASE MEASURES (continued)**14.5. Environmental hazards:**

ADR/RID, IMDG, IATA, USDOT: Not Classified.

14.6. Special precautions for user:

These products are not covered by international regulation on the transport of dangerous of dangerous goods (IMDG, IATA, ADR/RID, USDOT).

SECTION 15 - REGULATORY INFORMATION

Products are not regulated as hazardous materials.

Products do not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California Prop 65. All ingredients are TSCA compliant.

All substances contained in this product are either listed on the Canadian Domestic Substances List (DSL) or not required to be listed.

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

As regulatory requirements are subject to change and may differ from one location to another, it is essential that all applications comply with the local, state and federal regulations applicable to the location being cleaned or treated.

SECTION 16 ~ OTHER INFORMATION**Pathogenicity:**

The microorganisms in these biological blends are indigenous to the soil, are not genetically altered and fall within nonpathogenic homology groups.

Revision information:

Version 1.0 Revision Date: 17 January 2018

Supersedes revision dated: Does not apply.

IMPORTANT

The information provided in this SDS is believed to be correct at the time of publishing, but does not purport to be all inclusive and should only be used as a guide. The information in this document is given in good faith based on the best of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. It should also be noted, that unless specified in the text, this information may not be valid if the product is used in combination with any other materials. Beyond Environmental and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product as the conditions of use are beyond our control.