

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 12/08/2016

Revision: 10/16/2018

1 Identification

· **Product identifier**

· **Trade name:** Aqua Assist, Bio-React, Drylet® EC, Drylet® SAR, ManureMagic®, MB Bio

· **Article number:**

DL-1010, DL-1025, DL-1025CN, DL-1050, DL-1050CN, DL-1125, DL-1125CN, DL-1225, DL-1225CN, DL-1325, DL-1325CN, DL-1325RU, DL-1350, DL-1510, DL-1510CN, DL-1525, DL-1525CN, DL-1625, DL-1750, DL-1850

· **Recommended use and restriction on use**

· **Recommended use:** Bioremediation Agent, Water Treatment Additive, Drilling Additive

· **Restrictions on use:** Not intended for human consumption.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**

Drylet, LLC
 Energy Research Park
 5000 Gulf Fwy, Bldg. 4 Room 103
 Houston, TX 77023

Phone: +1.346.980.9570
 E-mail: sales@drylet.com
 Website: www.drylet.com

· **Emergency telephone number:** ChemTel Inc. +1 (800) 255-3924; +1 (813) 248-0585

2 Hazard(s) identification

· **Classification of the substance or mixture**

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

· **Label elements**

· **GHS label elements** This product does not have a classification according to the GHS regulation.

· **Hazard pictograms:** Not regulated.

· **Signal word:** Not regulated.

· **Hazard statements:** Not regulated.

· **Precautionary statements:** Not regulated.

· **NFPA ratings (scale 0 - 4)**



Health = 0
 Fire = 0
 Reactivity = 0

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

112926-00-8	precipitated silica (silica - amorphous)	<50%
7732-18-5	water	<50%

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	microbes, WHO Group 1	<0.5%
	fragrance, non-hazardous	<0.1%

· **Additional information:**

Product contains no detectable respirable fraction of crystalline silica.

Group 1 Microorganisms are Non-Pathogenic and pose no risk to the average healthy individual according to the World Health Organization. These microorganisms are NOT GENETICALLY MODIFIED in any way.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Brush off loose particles from skin.

Wash with soap and water.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Slight irritant effect on eyes.

Breathing difficulty

Coughing

· **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

The product is not flammable.

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** None.

· **Special hazards arising from the substance or mixture** No relevant information available.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Use personal protective equipment as required.

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For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

· **Environmental precautions**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Methods and material for containment and cleaning up**

Pick up mechanically.

Dispose of the collected material according to regulations.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Use only in well ventilated areas.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

· **Further information about storage conditions:**

Keep containers tightly sealed.

Protect from humidity and water.

· **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

112926-00-8 precipitated silica (silica - amorphous)

PEL (USA)	20mppcf or 80mg/m ³ /%SiO ₂
REL (USA)	Long-term value: 6 mg/m ³ See Pocket Guide App. C
TLV (USA)	TLV withdrawn
EL (Canada)	Long-term value: 4* 1.5** mg/m ³ Precipitated and gel;*total;**respirable
EV (Canada)	Long-term value: 10 mg/m ³

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LMPE (Mexico)	Long-term value: 10 mg/m ³
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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.
 Do not inhale dust / smoke / mist.
 Avoid contact with the eyes.
 Avoid close or long term contact with the skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
 Not required under normal conditions of use.
 Use suitable respiratory protective device in case of insufficient ventilation.
 For spills, respiratory protection may be advisable.
 Particulate mask should filter at least 99% of airborne particles.
- **Protection of hands:**
 Gloves are advised for repeated or prolonged contact.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.
- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No special requirements.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

- **Appearance:**
 - Form: Granulate
 - Color: White
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Melting point/Melting range:** >1600 °C (>2912 °F)
- **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits**
 - Lower: Not determined.

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· Upper:	Not determined.
· Oxidizing properties:	Not determined.
· Vapor pressure:	Not determined.
· Density:	
Relative density:	Not determined.
Bulk density	0.59 g/cm ³ (4.924 lbs/gal)
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Other information	No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid** Prevent formation of dust.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products** Possible in traces.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Slight irritant effect on skin and mucous membranes.
- **On the eye:** Slight irritant effect on eyes.

· **IARC (International Agency for Research on Cancer):**

112926-00-8	precipitated silica (silica - amorphous)	3
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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

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· **Probable route(s) of exposure:**

- Ingestion.
- Inhalation.
- Eye contact.
- Skin contact.

· **Repeated dose toxicity:**

Long-term inhalation of silica dusts may cause obstructive pulmonary disease including silicosis.

12 Ecological information

· **Toxicity**

- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.

· **Additional ecological information**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Contact waste processors for recycling information.

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

- DOT, ADR, IMDG, IATA Not regulated.

· **UN proper shipping name**

- DOT, ADR, IMDG, IATA Not regulated.

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- **Transport hazard class(es)**
- DOT, ADR, IMDG, IATA
- **Class** Not regulated.

- **Packing group**
- DOT, ADR, IMDG, IATA Not regulated.

- **Environmental hazards**
- **Marine pollutant:** No

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

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· **IARC (International Agency for Research on Cancer):**

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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed or exempt.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 12/08/2016 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 LDLo: Lowest Lethal Dose Observed

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)
 Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)
 Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
 Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
 Safety Data Sheets, Individual Manufacturers

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