

Safety Data Sheet

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

Printing date: February 26, 2019

Revision: November 11, 2019

1 Identification

- **Product identifier**
- **Trade name: Biocoat**

- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Adhesives
- **Restrictions on use:** No relevant information available.

- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
C.L. Ward and Family
1100 Ashwood Drive, Suite 1102
Canonsburgh, PA 15317
Phone: 888-973-7600
- **Emergency telephone number:**
ChemTel Inc.
(800) 255-3924 (North America)
(801) 1 (813)248-0585 (International)



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:** Not regulated.
- **Hazard pictograms:** Not regulated.
- **Signal word:** Not regulated.
- **Hazard statements:** Not regulated.
- **Precautionary statements:** Not regulated.

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Components:**

1332-58-7	Kaolin	<20%
1317-65-3	Limestone	<20%

- **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

- **Description of first aid measures**

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- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
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:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**
Gastric or intestinal disorders when ingested.
Slight irritant effect on skin and mucous membranes.
Slight irritant effect on eyes.
- **Indication of any immediate medical attention and special treatment needed:**
No relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **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.
- **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**
Towel or mop up material and collect in a suitable container.
For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
- **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.

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7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Open and handle receptacle with care.
Keep out of reach of children.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **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:

1332-58-7 Kaolin

PEL (USA)	Long-term value: 15* 5** mg/m ³ **total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ **total dust **respirable fraction
TLV (USA)	Long-term value: 2* mg/m ³ E; as respirable fraction
EL (Canada)	Long-term value: 2 mg/m ³
EV (Canada)	Long-term value: 2(D) mg/m ³ respirable
LMPE (Mexico)	Long-term value: 2* mg/m ³ A4, *fracción respirable

1317-65-3 Limestone

PEL (USA)	Long-term value: 15* 5** mg/m ³ **total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ **total dust **respirable fraction
TLV (USA)	TLV withdrawn

· Exposure controls

- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
Not required under normal conditions of use.

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Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

Wear protective gloves to handle contents of damaged or leaking units.

Gloves are advised for repeated or prolonged contact.

· **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Protective work clothing

· **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:** Liquid

· **Color:** According to product specification

· **Odor:** Slight

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits**

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not determined.

· **Density:**

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with**

· **Water:** Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity**

· **Dynamic:** Not determined.

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Kinematic:

Not determined.

· **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 alkali.
Reacts with oxidizing agents.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** No relevant information available.
- **Hazardous decomposition products** Possible in traces.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** No sensitizing effects known.
- **IARC (International Agency for Research on Cancer):**
Present in trace quantities.

111-42-2	2,2'-iminodiethanol	2B
75-07-0	acetaldehyde	2B
108-05-4	vinyl acetate	2B
140-88-5	ethyl acrylate	2B
50-00-0	Formaldehyde	1
108-10-1	4-methylpentan-2-one	2B
123-91-1	1,4-dioxane	2B
14808-60-7	Quartz (SiO ₂)	1
75-21-8	Ethylene oxide	1

- **NTP (National Toxicology Program):**
Present in trace quantities.

75-07-0	acetaldehyde	R
50-00-0	Formaldehyde	K
123-91-1	1,4-dioxane	R

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14808-60-7	Quartz (SiO ₂)	K
75-21-8	Ethylene oxide	K

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

Present in trace quantities.

50-00-0	Formaldehyde
75-21-8	Ethylene oxide

· **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

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:**

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**

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

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14 Transport information

- | | |
|----------------------------------------------------------------------------------|-----------------|
| · UN-Number
· DOT, ADR/RID/ADN, IMDG, IATA | Not regulated. |
| · UN proper shipping name
· DOT, ADR/RID/ADN, IMDG, IATA | Not regulated. |
| · Transport hazard class(es)
· DOT, ADR/RID/ADN, IMDG, IATA
· Class | Not regulated. |
| · Packing group
· DOT, ADR/RID/ADN, 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.

· **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

Present in trace quantities.

75-07-0	acetaldehyde	10000
108-05-4	vinyl acetate	15000

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50-00-0	Formaldehyde	15000
75-21-8	Ethylene oxide	10000

- **Proposition 65 (California)**
- **Chemicals known to cause cancer:**
Present in trace quantities.

111-42-2	2,2'-iminodiethanol
75-07-0	acetaldehyde
140-88-5	ethyl acrylate
50-00-0	Formaldehyde
108-10-1	4-methylpentan-2-one
123-91-1	1,4-dioxane
14808-60-7	Quartz (SiO ₂)
75-21-8	Ethylene oxide

- **Chemicals known to cause developmental toxicity for females:**
Present in trace quantities.

75-21-8	Ethylene oxide
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- **Chemicals known to cause developmental toxicity for males:**
Present in trace quantities.

75-21-8	Ethylene oxide
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- **Chemicals known to cause developmental toxicity:**
Present in trace quantities.

67-56-1	Methanol
108-10-1	4-methylpentan-2-one
75-21-8	Ethylene oxide

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

None of the ingredients are listed.

- **IARC (International Agency for Research on Cancer):**
Present in trace quantities.

111-42-2	2,2'-iminodiethanol	2B
75-07-0	acetaldehyde	2B
108-05-4	vinyl acetate	2B
140-88-5	ethyl acrylate	2B
50-00-0	Formaldehyde	1
108-10-1	4-methylpentan-2-one	2B
123-91-1	1,4-dioxane	2B
14808-60-7	Quartz (SiO ₂)	1
75-21-8	Ethylene oxide	1

- **Canadian Domestic Substances List (DSL) (Substances not listed.):**

All ingredients are listed or exempt.

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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.

· 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration

· 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., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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