

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

1 Identification

- **Product identifier**
- **Trade name:** **Bio-Block**
- **Application of the substance:** **Fat, Oils and Grease Treatment**
- **Manufacturer/Supplier:**
Cartier Environmental Services Inc.
90, 50512 RR 245
Leduc County, AB T4X 0P5
Phone: (780) 955-5520
- **Emergency telephone number:**
CANUTEC 24 Hr service
CANUTEC: 613.996.6666



2 Hazard identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Serious Eye Damage - Category 1 H318 Causes serious eye damage.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**





GHS05

- **Signal word:** **Danger**
- **Hazard-determining components of labeling:**
Amides, coco, N-(hydroxyethyl)
- **Hazard statements**
H318 Causes serious eye damage.
- **Precautionary statements**
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a poison center/doctor.

3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

68140-00-1	Amides, coco, N-(hydroxyethyl)  Serious Eye Damage - Category 1, H318;  Skin Irritation - Category 2, H315; Combustible Dusts - Category 1	≥5-<10% w/w *
------------	---	---------------

(Contd. on page 2)

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

68131-39-5	Alcohols, C12-15, ethoxylated ⚠ Eye Irritation - Category 2A, H319	(Contd. of page 1) 1-5% w/w *
68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts ⚠ Acute Toxicity (Oral) - Category 4, H302	1-5% w/w *

* Actual concentration ranges are withheld as a trade secret.

· **Additional information**

The specific chemical identity and/or exact percentage composition has been withheld as a trade secret.

For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· **Description of first aid measures**

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

· **After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing** Call a doctor immediately.

· **Information for doctor** Show this safety data sheet to the doctor in attendance.

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

The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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

· **Advice for firefighters** Self-contained breathing apparatus

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

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



Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** No special measures required.

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

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Pick up mechanically.

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling

(Contd. on page 3)

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

(Contd. of page 2)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class 13**
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

57-55-6 propylene glycol (0.5-1.5%)

EV	Long-term value: 155* 10** mg/m ³ , 50* ppm *vapour and aerosol;**aerosol only
----	--

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls** Use local exhaust ventilation to control airborne concentrations below exposure limits.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**



Use suitable respiratory protective device in case of insufficient ventilation.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). To determine the appropriate type of respiratory protection that should be used, a hazard assessment should be performed prior to using the product. Environmental conditions such as ventilation and other contaminants may affect the type of respiratory protection that is chosen.

Refer to CSA Standard Z94.4 for "Selection, Use and Care of Respirators".

- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Protective Gloves** I.E., Nitrile, Viton, Neoprene

(Contd. on page 4)

CDN

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

(Contd. of page 3)

- **Eye protection:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Solid.
· Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.

· **pH-value:** Not applicable.

· Change in condition

· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	200 °C

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

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

· Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure:** Not applicable.

· Density at 20 °C:	22.6 g/cm ³
· Relative density	Not determined.
· 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.

· Solvent content:

· **Organic solvents:** 2.3 %

· **Solids content:** 100.0 %

· **Other information** The above data are typical values and do not constitute a specification.
*Properties have been calculated.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

(Contd. of page 4)

- **Chemical stability** Stable under recommended storage conditions
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

5989-27-5	(R)-p-mentha-1,8-diene	3
91-64-5	Coumarin	3
68603-42-9	Amides, coco, N,N-bis(hydroxyethyl)	2B
111-42-2	2,2'-iminodiethanol	2B
97-53-0	Eugenol	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

68131-39-5 Alcohols, C12-15, ethoxylated

LC50	1.4 mg/l (Pimephales promelas (Fathead minnow))
EC50	0.14 mg/l (Daphnia magna) (48 hours)
ErC50	0.75 mg/l (Selenastrum capricornutum) (96 hours)

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

CDN

(Contd. on page 6)

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Dispose of in accordance with local, state, and federal regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, TDG, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, TDG, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, TDG, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, TDG, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· Sara
· SARA Section 355 (extremely hazardous substances)
None of the ingredients is listed.
· SARA Section 313 (specific toxic chemical listings)
111-42-2 2,2'-iminodiethanol
67-56-1 Methanol
· TSCA (Toxic Substances Control Act) (Substances not listed)
All ingredients are listed.
· Canadian substance listings:
· Canadian Domestic Substances List (DSL) (Substances not listed)
All ingredients are listed.
· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 7)

CDN

Safety Data Sheet

Printing date: 10/19/2018

Reviewed on: 10/19/2018

Trade name: Bio-Block

(Contd. of page 6)

· Hazard pictograms



GHS05

· Signal word Danger

· Hazard-determining components of labeling:

Amides, coco, N-(hydroxyethyl)

· Hazard statements

H318 Causes serious eye damage.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

· National regulations

· Technical instructions (air):

Class	Share in %
NK	1-5

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

16 Other information

· Relevant phrases

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.

Bionetix does not warranty any translation of this SDS not created by Bionetix

· Date of the latest revision of the safety data sheet 10/19/2018 / -

· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative