

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **GOOD BUGS**

Printing Date: 01/12/2016

Product Use: Liquid Bacterial/Enzyme Concentrate for Hard Surfaces.

Company Identification:

US Headquarters

ORCHEM CORPORATION

4927 Beech Street

Cincinnati, Ohio 45212

General Information

Health/Transportation Emergency-Chem-Tel

Fax

E-Mail

Contact Information:

(513) 874-9700

(800) 255-3924

(513) 874-3624

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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Sensitization, skin (Category 1A), H317

PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS – LABEL ELEMENTS

Health Hazard Statement(s)

H317

May cause an allergic skin reaction.

Physical Hazards Statement(s)

None.

Precautionary Statement(s) – Prevention

P261

Avoid breathing dust, fumes, gas, mist, vapors, or spray.

P272

Contaminated clothing should not be allowed out of the workplace.

P280

Wear protective gloves and eye protection.

Precautionary Statement(s) – Response

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P333 + P313

If skin irritation occurs: Get medical advice/attention.

P362 + P 364

Wash contaminated clothing before reuse.

Precautionary Statement(s) – Storage

None.

Precautionary Statement(s) – Disposal

P501

Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

Hazards Not Otherwise Classified (HNOC)

None.

Other Information

Causes mild skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS#	WEIGHT %
<i>bacillus</i> spores	trade secret	trade secret

< 1% of mixture consists of ingredients of unknown toxicity. Exact percentages are withheld as trade secrets.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. After 15 minutes check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation occurs.

SKIN CONTACT: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Destroy contaminated shoes. Get medical attention if irritation occurs.

INHALATION: Remove from exposure and move to fresh air immediately and keep in position comfortable for breathing. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

INGESTION: Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously keep airway clear. Get medical attention if irritation occurs.

NOTES TO PHYSICIAN: May cause sensitization of susceptible persons. Treat systematically.

5. FIRE FIGHTING MEASURES

GENERAL INFORMATION: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (Approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion involved in a fire.

EXTINGUISHING MEDIA: Use media suitable to the cause of the surrounding fire such as dry chemical, CO₂, or appropriate foam. Do NOT use straight streams of water.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Other Release: Remove sources of ignition. Ventilate area. Keep unnecessary personnel away. Use appropriate personal protective equipment as indicated in Section 8 of the SDS when risk assessment indicated this is necessary. Use non-sparking tools and equipment. Dike to prevent spread. Absorb with inert material. Sweep or shovel spilled materials in suitable containers. Dispose of in accordance with all local, state, and federal requirements. Do not allow product or residue to enter waterway or any source of drinking water. Avoid the generation of dusts during clean-up.

7. HANDLING AND STORAGE

Handling: Use appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Do not get in eyes or on skin or clothing.

Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower (ANSI Z358.1). Use adequate general or local explosion-proof ventilation (typically 10 air changes per hour) to keep airborne levels to acceptable levels.

COMPONENT	CAS#	ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA PEL TWA	IDLH
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PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear chemical splash goggles that meet the requirements of 29 CFR 1910.133 or European Standard EN 166.

Skin: Wear appropriate protective gloves to prevent skin exposure (29 CFR 1910.138 or EN374).

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light Brown
Odor:	Mandarin Orange
Bacterial Content:	Proprietary Blend of <i>Bacillus</i> spores
Bacterial Count:	2.55x10e + 11 cfu/gal.
Nutrient Content:	Surfactants, Micronutrients, Biological Enhancers
Boiling Point/Range:	100°C / 212°F
Freezing Point/Range:	No Data
Flash Point:	None
Phosphorous Content as %P:	None
Vapor Pressure:	No Data
Vapor Density (air=1):	No Data
V.O.C.:	Negligible
Specific Gravity (water=1):	1.01
Water Solubility:	Dispersible
pH:	6.5-8.8
Volatility:	No Data
Evaporation Rate:	No Data

10. STABILITY AND REACTIVITY

Stability: The product is stable.

Incompatibility with Various Substances: Reactive or incompatible with the following materials: oxidizing materials, bases, acids.

Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Hazardous Decomposition Products: Decomposition products may include the following materials: carbon oxides.

Conditions to Avoid: Do not expose to extreme temperatures for long periods of time. Close containers when not in use.

11. TOXICOLOGICAL INFORMATION

TOXICITY: No Data Available for Product.

CARCINOGENICITY:

Product/Ingredient Name	ACGIH	IARC	NTP
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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL INFORMATION: No Data Available for Product.

13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classifications are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classifications.

14. TRANSPORTATION INFORMATION

U.S. DOT Bill of Lading Description: Not DOT Regulated.

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

U.S. REGULATIONS

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

STATE RIGHT TO KNOW (RTK)

INGREDIENT(S)	CAS#	MA	NJ	PA	MN
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CERCLA/SARA 302/304

INGREDIENT(S)	CAS#	WEIGHT %	CERCLA/SARA RQ(LBS)	SECTION 302TPQ (LBS)
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SARA 311/312 Hazard categories

Immediate:	X
Delayed:	---
Fire:	---
Reactivity:	---
Sudden Release of Pressure:	---

SARA 313:

None.

Clean Air Act:

Not regulated.

Clean Water Act:

Not regulated.

16. OTHER INFORMATION

Hazardous Material

Information System (U.S.A.) Health: 1 Flammability: 0 Physical Hazard: 0

National Fire Protection

Association (U.S.A.) Health: 1 Flammability: 0 Instability: 0

HMIS and NFPA use a numbering scale ranging from 0-4 to indicate the degree of hazard. A value of 0 means that the substance possesses essentially no hazard; a rating of 4 indicates high hazard.

Date of Creation: 01/12/2016

Issue Number: 1.0

Date of Revision: None

Prepared by: Compliance Group

The information contained in this Safety Data Sheet is intended to comply with the requirements of 29 CFR 1910.1200. This information is believed to be accurate and based on data available to ORCHEM CORPORATION at this time. It is intended to be used as a guide to the safe handling and use by properly trained individuals. It is the end user's responsibility to determine the suitability of the information for their particular purposes. This information is provided without warranty.