



Safety Data Sheet

Section 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name: **PET RELIEF**
Synonym: Bio-enzymatic product
Product Item No.: 5100

1.2 Recommended use of the product and restrictions on use

Uses: Biological waste degrader
Restrictions: Do not mix with strong alkalis, or acids
Product dilution: Product is able to be diluted

1.3 Details of the supplier of the safety data sheet

Company: Emtech Laboratories, Inc.
580 S. Cemetery Street
Norcross, Georgia 30071
Telephone: 877-753-3271
Fax Phone Number: 888-294-7060

1.4 Emergency telephone number

Emergency Phone Number: 678-534-8007

Section 2. Hazards Identification

2.1 Classification of the substance or mixture:

Health Hazards

Acute toxicity, Oral (Category 4)
Serious Eye Damage/ Eye Irritation (Category 2B)
May be harmful in contact with skin (Category 5)

2.2 GHS Label elements

Pictogram(s)

None

Signal Word: Warning

Hazard statement(s):

H318 Causes serious eye damage.
H302 Harmful if swallowed or if inhaled.
H315 Causes skin irritation

Precautionary statement - Prevention

P281 Use personal protective equipment as required.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Precautionary statement - Response

P301 + P330 + P331 + P312 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 + P310 + P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Precautionary Statements – Storage

P403 + P411 + P233 Store in a well-ventilated place. Store at temperatures not exceeding 40oC/104oF. Keep container tightly closed

Precautionary Statements - Disposal

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3. Composition / Information on Ingredients

Substance/ Mixture: Mixture

Hazardous Ingredients	Concentration Range (%)	CAS number
Concentrated Bacterial Cultures	5 - 10	Not Assigned
Styrene Copolymer Emulsion	0.1 - 0.5	Not Assigned
Alcohols, C1014, ethoxylated	0.1 - 0.5	66455-15-0

Balance of other ingredients is non-hazardous or less than 0.1%. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Section 4. First Aid Measures

4.1 Description of first aid measures**General**

Consult a physician. Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.

Eye

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. Get medical attention.

Skin

Wash off with soap and plenty of water. Consult a physician if irritation persists.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if breathing difficulty persists.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. DO NOT INDUCE VOMITING. Have victim drink two glasses of water to dilute material in the stomach. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration, rinse mouth and repeat administration of water. Get medical attention immediately.

Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low toxicity substance. The stomach should only be emptied under medical supervision, and after the installation of an airway to protect the lungs.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5. Fire-Fighting Measures

5.1 Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry agent (carbon dioxide, dry chemical powder).

Unsuitable Extinguishing Media:

No data available.

5.2 Special hazards arising from the substance or mixture

Carbon and Sulfur oxides

5.3 Advice for firefighters

Wear full protective clothing (chemical splash suit) and positive pressure self-contained breathing apparatus.

5.4 Further information

Use water spray to cool unopened containers.

**National Fire
Protection**

Association (NFPA)

0 = None 4 = Extreme Hazard

Health: 1

Fire Hazard: 1

Reactivity: 0

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Methods and materials for containment and cleaning up

For small amounts: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations. Do not use saw-dust or other combustible substances as an absorbent during cleanup. For large

amounts: Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

6.3 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.4 Reference to other sections

See section 8 to personal protective protection and section 13 to waste treatment.

Section 7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge.

For precautions see section 2.2.

7.2 Conditions for safe storage, including and incompatibilities

Store in a cool, dry, well-ventilated area away from sunlight, heat and ignition sources. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Apart from the uses referenced in section 1.2 no other specific uses are stipulated

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters

Ingredients with workplace control parameters

Ingredients	CAS-No.	Type	Permissible Concentration	Basis
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None

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

STEL (Short Term Exposure Limit) - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

WEEL - Workplace Environmental Exposure Levels

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Personal protective equipment

General Information

Provide eyewash, safety shower and washing facilities.

Eye/face protection

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. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

No protective equipment should be needed under normal use conditions.

Respiratory protection

No protective equipment should be needed under normal use conditions.

Hygiene measures

Do not smoke while handling/using product. Handle in accordance with good industrial hygiene and safety practice. Always wash hands before smoking, eating, drinking or using the toilet. Wash hands before breaks and at the end of workday. Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form:	Liquid
	Color:	Opaque, white to light amber
b) Odor		Sparkles Scent
c) Odor Threshold		no data available
d) pH		6-7 Typical
e) Melting point/freezing point		no data available
f) Initial boiling point and boiling range		212°F (100°C)
g) Flash point closed cup		>200°F (>93.33°F)
h) Evaporation rate		no data available
i) Flammability (solid, gas)		no data available
j) Upper/lower flammability or explosive limits		no data available
k) Vapor pressure		no data available
l) Vapor density		no data available
m) Relative density		1.001 g/cm ³ at 25 °C (77 °F)
n) Water solubility		soluble
o) Partition coefficient: n-octanol/water		no data available
p) Auto-ignition temperature		no data available
q) Decomposition temperature		no data available
r) Viscosity		no data available
s) Explosive properties		no data available
t) Oxidizing properties		no data available

9.2 Other information

VOC (Volatile Organic Compounds)	>0.2% by weight
Molecular Weight	Mixture
Bulk Density	no data available

Section 10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid exposure to sources of ignition, heat, static discharge, and open flame. Do not freeze.

10.5 Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6 Hazardous decomposition products

In the event of fire, decomposition products may include the following materials: carbon dioxide, carbon monoxide, and sulfur oxides. In the event of fire: see section 5

Section 11. Toxicological Information

11.1 Likely Routes of exposure

Likely routes of exposure include: inhalation, eye and skin contact.

11.2 Signs and symptoms of exposure

Eye irritation signs and symptoms may include redness and pain.

Skin irritation signs and symptoms may include dryness and pain.

Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea, and loss of coordination.

Respiratory irritation signs and symptoms may include cough, drowsiness, headache, and sore throat.

11.3 Delayed and immediate effects/Chronic effects from short- and long-term exposure**Eye**

Contact with eyes causes serious damage. Adverse symptoms may include the following: pain, watering, redness.

Skin

Repeated or prolonged contact with the mixture may cause mild mechanical irritation, and removal of natural fat from the skin resulting in desiccation of the skin.

Inhalation

Inhalation of large amounts of this material may affect the respiratory system and mucous membranes (irritation).

Ingestion

Ingestion of this material may cause abdominal discomfort, nausea, and diarrhea.

Chronic effects

See additional information in section 11.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No known significant effects or critical hazards.

Specific target organ toxicity-single exposure

No data available

Specific target organ toxicity-repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS (Registry of Toxic Effects of Chemical Substances): None

11.4 Information on toxicological effects

Acute toxicity

Ingredient	CAS No.	LD50-Oral, Rat	Inhalation, Rat	Dermal, Rabbit
Alcohols, C10-14, ethoxylated	66455-15-0	1000 mg/kg	>1600 mg/m3	2,000-2,991 mg/kg

Skin corrosion/irritation test subject (Rabbit Skin)

Skin-Rabbit

Result: Non Irritant

Serious eye damage/eye irritation test subject (Rabbit Eye)

Eyes-Rabbit

Result: Severe irritant

11.5 Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC (International Agency for Research on Cancer): No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH (American Conference of Governmental Industrial Hygienists): No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP (National Toxicology Program): No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA (Occupational Safety and Health Administration): No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

12.1 Ecotoxicity

Ingredient	CAS No.	
Alcohols, C10-14, ethoxylated	66455-15-0	LC50-Fish 14.63 mg/l - 96 h Semi-static

12.2 Persistence and degradability

According to the results of tests of biodegradability this product is readily biodegradable.

12.3 Bioaccumulative potential

The potential for bioaccumulation is low.

12.4 Mobility in soil

This product is water soluble and will move readily in soil and water

12.5 Other adverse effects

Minimal impact under normal conditions of use and storage. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Acute aquatic hazard is possible.

Section 13. Disposal Considerations

13.1 Waste treatment methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Section 14. Transportation Information
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Land Transport (DOT)

14.1 UN number	Not regulated
14.2 Proper Shipping Name:	Water treatment compounds, bacterial culture
14.3 Transport Hazard Class:	Not Regulated
14.4 Packing Group	Not Regulated
14.5 Special Precautions for the user	Not Regulated

IATA (International Air Transport Association): No data

IMDG (International Maritime Dangerous Goods Code): No data

Section 15. Regulatory Information

US federal regulations**TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D)**

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

No information.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

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

Not regulated.

**Safe Drinking Water Act
(SDWA)**

Not regulated.

US State regulations

None listed

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

This material must not be used for direct contact with food.

The bacterial cultures in this product have been shown to be free of Salmonella and Shigella using procedures outlined by AOAC and USDA.

**Hazardous Material
Information System
(HMIS)**

0 = None 4 = Extreme

Health: 1**Fire Hazard:** 1**Reactivity:** 0**Personal Protective
Equipment****B – Safety****Safety Glasses, Gloves**

SDS Issuing date: 07/28/2015

Version #: 01

The information above includes data compiled from Safety Data Sheets from manufactures' of each component of this product. Emtech Laboratories, Inc. believes the data contained herein are accurate. The data are not to be taken as warranty or representation for which Emtech Laboratories, Inc. assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of these data and information must be in accordance with applicable Federal, State and local laws and regulations.