



SAFETY DATA SHEET

359: CONCENTRATE

Conforms to 1910.1200
Issued: April 1, 2017

BIO-HAMMER™

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bio-Hammer **Product Number:** 359
Recommended Use: Bio-enzymatic floor cleaner and drain maintainer
Concentrate - dilute prior to use.
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions

Supplier Address:

Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Not classified as hazardous; as determined by OSHA 1910.1200.
Signal Word: None
Pictogram: None
Hazard Statements: None
Precautionary Statements: None
Other Hazards: None
Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
alcohols, C9-11, ethoxylated	68439-46-3	1 - 3

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Rinse with plenty of water. If irritation develops and persists, seek medical attention.
Skin Contact: Rinse with plenty of water. If irritation develops and persists, seek medical attention.
Inhalation: If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.
Ingestion: If ingested, rinse out mouth. Do not induce vomiting. Seek medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: None expected under normal use.
Skin Contact: None expected under normal use.
Inhalation: None expected under normal use.
Ingestion: None expected under normal use.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Dry Chemical, water spray, foam, carbon dioxide
Specific Hazards: Materials can splatter above 212 °F / 100 °C
Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Follow all general fire safety guidelines.



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6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

Conditions for Safe Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F). Store away from food stuffs.

Other Information: Keep from freezing. Keep container sealed when not in use. Store in original container. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: None

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.

Skin Protection: Chemical resistant gloves are recommended.

Respiratory Protection: No personal protective equipment required with normal use. General room ventilation should be adequate.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: blue liquid

Odor: citrus

Odor Threshold: data not available

pH: 8.5

Freezing Point: data not available

Boiling Point: 212°F / 100°C

Flash Point: not applicable

Evaporation Rate: < 1.0 (Butyl acetate = 1)

Flammability (solid/gas): not applicable to liquids

Flammability limits: data not available

Vapor Pressure: 23 hPa (17 mm Hg)

Vapor Density: data not available

Relative Density: data not available

Solubility: fully miscible in water

Partition Coefficient: data not available

Auto Ignition temperature: data not available

Decomposition Temperature: data not available

Viscosity: data not available

VOC: 0%



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10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Stability: Stable under normal conditions
Hazardous reactions: None known
Conditions to avoid: None known
Incompatible materials: Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products: possible in traces

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS

Skin contact: May cause mild irritation.
Eye contact: May cause mild irritation.
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

UN Number: None
UN Proper Shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: None

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING: Components are not subject to US Reporting (SARA 302/304, 313, CERCLA)
STATE RIGHT-TO-KNOW STATUS: Components are not subject to State RTK listing (MA, NJ, PA, RI)
CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.
CANADA REGULATIONS/REPORTING: This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable
N/E - Not Established
N/L - Not Listed

Revision Information:

April 1, 2017 - SDS issued



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Health:	1
Flammability:	0
Reactivity:	0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****