

SAFETY DATA SHEET 2016

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Section 1, Identification

COMPANY NAME: Bio-Logic Inc.
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PRODUCT NAME: NATURAL CATCH®
PRODUCT USE: FRUIT FLY TRAP

Section 2, Hazard identification

HAZARDS DISCLOSURE: This product contains hazardous materials as defined by the OSHA Hazard communication standard 29 CFR 1910.1200.

HEALTH HAZARD DATA: Prolonged inhalation of vapors can cause irritation to respiratory tract. Avoid breathing vapors or mists.

GHS Classification: Causes eye irritation 2B.

Signal Word: Warning.

Hazard Statements: H320: Causes eye irritation.

EYES: Will cause eye irritation - smarting and reddening to the eye, may injure eye tissue which may result in permanent damage, including blindness. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SKIN: Contact may cause mild injury and burns from concentrations of 10% acetic acid or greater. Dilute solutions may cause dermatitis in some sensitive individuals.

Section 3, Composition / information on ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard. Unlisted ingredients are not 'hazardous' per the OSHA standard.

CHEMICAL NAME: Dilute Acetic Acid (CH₃COOH), TABLE STRENGTH, CAS number 64-19-7

INGESTION: Concentrated vinegar may cause irritation and burns in mouth, stomach and esophagus.

CARCINOGENICITY: No known cancer hazards.

REPRODUCTIVE HAZARDS: Not a reproductive hazard.

Section 4, First-aid measures

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush immediately and thoroughly with water. Saturated clothing should be removed and washed. If vapors are inhaled extensively, exposed person should be removed to fresh air immediately.

INHALATION: Remove to fresh air and keep in position comfortable for breathing.

INGESTION: If swallowed in large amounts, water should be consumed to dilute. **DO NOT INDUCE VOMITING. DO NOT GIVE EMETICS OR BAKING SODA.** Call a physician.

Section 5, Fire-fighting measures

Flash point: Vinegar does not flash
Auto Ignition Temperature: N/A
Flammable limit in air: N/A

Extinguishing media: N/A
Specific Hazards: N/A
Special Fire Fighting Methods: N/A

Section 6, Accidental release measures

PERSONAL PRECAUTIONS: Protect skin and eyes from exposure. Avoid prolonged breathing of vapor and skin exposure.

INITIAL CONTAINMENT: Contain spilled material. Water may be used to dilute. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

LARGE SPILL PROCEDURE: Contain spilled material. Large spills may be neutralized with dilute alkaline solutions of soda, ash or lime. Avoid runoff into storm sewers and ditches that lead to waterways. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

SMALL SPILL PROCEDURE: Water may be used to dilute. Treat or dispose of waste in accordance with all local, state/provincial and national requirements.

ENVIRONMENTAL PRECAUTIONS: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Section 7, Handling and storage

HANDLING (PERSONNEL): Provide good ventilation to prevent formation of vapor. Avoid prolonged breathing of vapors. Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse.

STORAGE PRECAUTIONS: Keep container closed when not in use. Store in a well ventilated place.

INCOMPATIBLE PRODUCTS: Strong oxidizers, metals, strong bases.

Section 8, Exposure controls / personal protection

| Chemical Name | ACGIH | | OSHA PEL | | IDLH |
|---------------|-------|-------|-------------------------------|------|--------------------------------|
| | TWA | STEL | TWA | STEL | |
| Acetic Acid | 10ppm | 15ppm | 10ppm; 25mg/m ³ | N/A | 50ppm; 125mg/m ³ |

Appropriate engineering controls: Emergency eye wash stations should be available in the immediate vicinity. General room ventilation should be maintained for operator comfort.

Hand protection: Rubber gloves should be worn to avoid prolonged exposure.

Eye protection: Chemical goggles or face shield.

Skin and body protection: General clothing is adequate.

Respiratory Protection: Under normal conditions, with adequate ventilation, no special handling is required. If in enclosed areas or if airborne exposures exceed applicable limits, wear NIOSH/MSHA approved respiratory protection.

Section 9, Physical and chemical properties

Physical State: Liquid
Odor: Strong Vinegar
Odor threshold: No data available
pH: 2.3 @ 100 Grain
Melting/Freezing point: Vinegar: Approx 30F (Acetic Acid 62F)
Boiling Point: 214 Degrees F @ 760 mm Hg and 10% acetic acid
Flash point: N/A
Evaporation rate: No data available
Flammability (solid, gas): N/A
Upper/Lower Explosive Limit: N/A
Vapor Pressure (mmHg): 16.9 mm Hg@ 68F at 10% acetic acid
Relative vapor density: 2.1 (Air=1) @ 68F
Relative density: No data available
Density: 1.01 to 1.04 (Water = 1)
Solubility in Water: Complete
Partition coefficient: No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

Section 10, Stability and reactivity

Reactivity: Strong oxidizing agents, Carbonates.
Chemical Stability: Stable under normal conditions.
Possibility of hazardous reactions: Contact with strong oxidizing agents or strong bases may result in the release of heat.
Incompatible materials: Water reactive materials, acetic anhydride, caustics, oxidizing materials, carbonates.
Hazardous decomposition products: Carbon dioxide. Thermal decomposition may generate corrosive vapors.

Section 11, Toxicological information

Routes of entry: Inhalation, ingestion and skin contact.

Symptoms (acute): Respiratory irritation.
Delayed effects: No data available.

Acute Toxicity:

| Chemical Name | CAS | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-----------------|-------------|-----------------|
| Water | 7732-18-5 | Rat 90000 mg/kg | | |
| Acetic Acid | 64-19-7 | | | Mouse 5620 ppm |

Carcinogenicity: No evidence of a carcinogenic effect.
Mutagenicity: No evidence of a mutagenicity effect.
Teratogenicity: No evidence of a teratogenicity effect.
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of a reproductive effect.

Section 12, Ecological information

Overview: This material is not expected to be harmful to the environment.
Persistence: Biodegradation.
Bioaccumulation: No data
Mobility in soils: No data
Other adverse effects: No data

| Chemical Name | CAS | Ecotoxicity |
|---------------|-----------|--|
| Water | 7732-18-5 | No data available |
| Acetic Acid | 64-19-7 | Aquatic LC50 (96h) Fathead minnow 79mg/l. Aquatic EC50 (24h) Daphnia 47mg/l |

Section 13, Disposal considerations

WASTE DISPOSAL: Dispose of waste material in accordance with all local, state/provincial and national requirements.

Section 14, Transport information

Non regulated: All solutions covered by this SDS contain less than 10% Acetic Acid by weight.

Section 15, Regulatory information

| Chemical Name | CAS | Section 313 | Section 304 RQ | CERCLA RQ | Section 302 TPQ | CAA 112 (2) |
|----------------------|------------|--------------------|-----------------------|------------------|------------------------|--------------------|
| Acetic Acid | 64-19-7 | no | 5000lb | 5000lb | no | no |

Section 16, Other information

This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

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