



# SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME: Insect-A-Slip

PRODUCT NUMBER: 2871A, 2871B, 2871C, 2871D

SYNONYMS: DISP 30

CHEMICAL FAMILY NAME: Coatings

PRODUCT USE: Restrictive egression of captive invertebrates

Restrictions on Use:

Do not use in medical applications involving permanent implantation in the human body. See Section 16

U.S. MANUFACTURER/DISTRIBUTOR:

BIOQUIP PRODUCTS, INC.

ADDRESS:

2321 Gladwick Street  
Rancho Dominguez, CA 92020

BUSINESS PHONE:

1-310-667-8800

WEBSITE:

www.bioquip.com

EMERGENCY PHONE:

For Chemical or Medical Emergency, 24hr, 7 days, 365  
INFOTRAC (24hr) 1-800-535-5053

## 2. HAZARD IDENTIFICATION

Product hazard category

Serious eye damage/eye irritation Category 2A

Label Content:



Warning

Hazard Statements: Causes serious eye irritation

Hazardous prevention measures:

Wash skin thoroughly after handling

Wear eye protection.

IF IN EYES" Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention/advice.

Other hazards

The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Repeated episodes of polymer fume fever may result in persistent lung effects.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 3.15%

## 3. COMPOSITION and INFORMATION ON INGREDIENTS

Component	CAS -No.	Concentration
Polyoxethylene alkyl ether	60828-78-6	1 – 5%

Non-hazardous ingredients

Polytetrafluoroethylene	9002-84-0	55-65%
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Any component and/or concentration (exact percentage) not specifically identified is considered a trade secret.

#### 4. FIRST-AID MEASURES

<b>General advice Inhalation:</b>	Never give anything by mouth to an unconscious person. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Inhalation:</b>	Remove person to fresh air. If signs/symptoms continue, get medical attention. Move to fresh air in case of accidental inhalation of fumes from overheating of combustion.
<b>Skin contact:</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.
<b>Most important Symptoms/effects, Acute and delayed:</b>	Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema). The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.
<b>Protection of first-aiders:</b>	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
<b>Notes to Physician:</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Dry chemical
<b>Unsuitable extinguishing Media</b>	No applicable data available
<b>Specific hazards</b>	Difficult to ignite, and flame goes out when initiating source is removed. Hazardous thermal decomposition products: Hydrogen fluoride Toxic or highly toxic fumes Carbon monoxide Hazardous thermal decomposition products: Fluorinated compounds, Hydrofluoric acid ...%. Carbon monoxide
<b>Special protective equipment for Firefighters:</b>	Wear self-contained breathing apparatus and protective suit. Wear neoprene gloves during cleaning up work after a fire.
<b>Further information:</b>	Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>NOTE:</b>	Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.
<b>Safeguard (Personnel):</b>	Refer to protective measures listed in sections 7 and 8. Material can create slippery conditions.
<b>Environmental precautions:</b>	Prevent material from entering sewers, waterways, or low areas. Should not be released into the environment.
<b>Spill cleanup:</b>	Clean contaminated floors and objects thoroughly while observing environmental regulations. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).
<b>Accidental Release Measures:</b>	For disposal considerations see section 13.

## 7. HANDLING and STORAGE

**Handling (Personnel):** Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. General precautions for all plastics and elastomers: Provide appropriate exhaust ventilation at dryers, machinery and at places where dust or volatiles can be generated. Do not contaminate tobacco products. Wash hands before breaks and immediately after handling the product. Do not breathe vapours or spray mist.

**Handling (Physical Aspects):** Provide appropriate exhaust ventilation at machinery.

**Dust explosion class:** No applicable data available.

**Storage:** No special restrictions on storage with other products. Keep away from tobacco products. Do not freeze.

**Storage Period:** No applicable data available.

**Storage temperature:** 10 – 27 °C (50 – 81 °F)

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**Engineering Controls:** Use local exhaust to completely remove vapors and fumes liberated during hot processing from the work area. Use sufficient ventilation to keep employee exposure below recommended limits.

**Personal protective equipment:**

Respiratory protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand Protection: Additional protection: Impervious gloves.

Hand protection: Additional protection: When handling hot material, use heat resistant gloves.

Eye protection: Safety glasses with side-shields Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

Skin and body protection: Wear as appropriate;  
Apron  
Boots  
Chemical-resistant gloves

**Exposure guidelines:**

Exposure Limit Values:  
Polytetrafluorethylene; No applicable data available.  
Polyoxethylene alkyl ether; No applicable data available

**Non-Constituent(s)**

**Dust (inhalable and respirable fraction)**

Permissible exposure limit	OSHA	5 mg/m <sup>3</sup>	8 hr. TWA Respirable fraction
Permissible exposure limit	OSHA	15 mg/m <sup>3</sup>	8 hr. TWA Total dust
TLV	ACGIH	3mg/m <sup>3</sup>	TWA Respirable particles
TLV	°ACGIH	10 mg/m <sup>3+</sup>	TWA Inhalable particles

## 9. PHYSICAL and CHEMICAL PROPERTIES

**Appearance**

Physical state: liquid  
Form: liquid dispersion  
Color: Milky  
Odor: Slight, ammoniacal  
Odor threshold: No applicable data available  
Ph: 9 – 11  
Melting point/  
freezing point: Melting point/range 327 – 342 °C (621 – 648 °F)  
Boiling point/  
Boiling range: Boiling point range 100 °C (212 °F) Water

## 9. PHYSICAL and CHEMICAL PROPERTIES (continued)

Flash point	does not flash
Evaporation rate	No applicable data available
Flammability (solid, gas)	No applicable data available
Upper explosion limits	No applicable data available
Lower explosion limits	No applicable data available
Vapour Pressure	No applicable data available
Vapour density	No applicable data available
Density	1.4 – 1.7 g/cm <sup>3</sup>
Specific gravity (Relative density)	No applicable data available
Water solubility	Solids are insoluble, Dispersion may be diluted.
Solubility(ies)	No applicable data available
Partition coefficient: n-octanol/water	No applicable data available
Auto-ignition temperature	520 – 560 °C
Ignition temperature	530 – 550 °C
Decomposition temperature	No applicable data available
Viscosity, kinematic	No applicable data available
Viscosity, dynamic	No applicable data available
%Volatile	35 – 40 % water
Limiting oxygen index	>95%

## 10. STABILITY and REACTIVITY

Reactivity:	Decomposes on heating
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous Reactions:	No applicable data available
Conditions to avoid:	Avoid heating for prolonged periods above the recommended upper processing limit.
Incompatible materials:	No applicable data available
Hazardous decomposition products:	Hazardous thermal decomposition products may include: Fluorinated hydrocarbons, Carbonyl fluoride, Hydrogen fluoride

## 11. TOXICOLOGICAL INFORMATION

### DISP 30

Eye irritation: Eye irritation, In Vitro - Bovine

### Polyoxethylene alkyl ether:

Dermal LD50: 4,971 mg/kg, Rabbit  
Information given is based on data obtained from similar substances.

Oral LD50: 3,620 mg/kg, Rat  
Information given is based on data obtained from similar substances.

Skin irritation: No skin irritation, Rabbit  
Information given is based on data obtained from similar substances.

Repeated dose toxicity: Oral  
Rat  
-  
No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

Mutagenicity: Did not cause genetic damage in cultured bacterial cells. Information given is based on data obtained from similar sources.

### Polytetrafluoroethylene:

Inhalation: The thermal decomposition vapours of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

Oral LD50: >11.280 mg/kg, Rat

Skin Irritation: No skin irritation, Rabbit

## 11. TOXICOLOGICAL INFORMATION (continued)

Skin sensitization:	Does not cause skin sensitization., human Patch test on human volunteers did not demonstrate sensitization properties.
Repeated dose toxicity:	Oral – feed Rat - No toxicologically significant effects were found.
Carcinogenicity:	Not classifiable as a human carcinogen
Mutagenicity:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity:	No toxicity to reproduction.
Further information:	The substance is a polymer and is not expected to produce toxic effects.

### Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity

Polyoxethylene alkyl ether	
96 h LC50:	Pimephales promelas (fathead minnow) 39 mg/l Information given is based on data obtained from similar substances.
48 h EC50	Daphnia magna (water flea) 81.2 mg/l Information given is based on data obtained from similar substances.
Polytetrafluoroethylene	The substance is a polymer and is not expected to produce toxic effects.

### Environmental Fate

Polyoxethylene alkyl ether	
Biodegradability:	Not biodegradable Information given is based on data obtained from similar substances.

## 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Preferred option for disposal is to separate solids from liquid by precipitation and decanting or filtering. Dispose of dry solids in a landfill that is permitted, licensed or registered by a state to manage industrial solid waste. Discharge liquid filtrate to a wastewater treatment system. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products.

Contaminated packaging :	Empty containers should be taken to an approved waste handling site for recycling or disposal.
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## 14. TRANSPORTATION INFORMATION

Not classified as dangerous in the meaning of transport regulations.

## 15. REGULATORY INFORMATION

TSCA	On the inventory, or in compliance with the inventory
SARA 313 Regulated Chemicals:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
PA Right to Know Regulated Chemicals:	Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Polytetrafluoroethylene
California Prop 65:	WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer. Tetrafluoroethylene

## 16. OTHER INFORMATION

**Restrictions for use:** Do not sell or resell BioQuip Products, Inc. materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues.

**Before use also read the following bulletin(s):**

Fluoropolymer Safe Handling Guide published by the Society of the Plastics Industry