

# SAFETY DATA SHEET (SDS)

## Section 1: Identification


<b>Product Name</b>	BUG OUT Bug & Tar Remover	<b>Company</b>
<b>Product number</b>	PAK5689	Big 3 Packaging LLC
<b>Brand</b>	PAK-IT	1812 44 <sup>th</sup> Avenue East
<b>Chemical Name</b>	Solvent Blend	Bradenton, FL 34203
<b>Recommended Usage</b>	Industrial Cleaner	Phone: 215-743-4201 -or- 1-866-697-2548
<b>Pod Size</b>	15 grams	Fax 215-288-0847
		sds@big3packaging.com   www.big3packaging.com
<b>Emergency Response Number:</b>		1-800-535-5053
<b>International Emergency Response Number:</b>		1-352-323-3500
--- IN EMERGENCY CALL 911 ---		

## Section 2: Hazard(s) Identification

The hazard classification and label elements in this Safety Data Sheet reflect the intrinsic properties of the CONCENTRATE in its sealed water-soluble pod. The hazard and precautionary statements ONLY apply to spills and handling exposure to the concentrate itself outside of the sachet and in large quantities.

The pod when intact provides a barrier to dermal and inhalation exposure under conditions of normal handling and use. The product when used as recommended and diluted according to the manufacturers specifications is not classified as hazardous and does NOT require any Personal Protective Equipment (PPE).

### Hazard Classification here

Hazard Classification of substance/mixture:	Hazard Statements:	Signal Word(s):
Flammable Liquids - Category 3 Skin Irritation - Category 2 Eye Irritation - Category 2A Aspiration Hazard-Category 1 Skin Sensitization-Category 1	Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.	DANGER!
<b>Pictogram:</b>		
		

Precautionary Statements Prevention:	Precautionary Statements Response:
Keep away from heat/ hot surfaces/ sparks/ open flames and other ignition sources. - No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ ventilating/ lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash hands thoroughly after handling. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace.	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. In case of fire: Use water spray, CO2, foam, dry chemical for extinction. IF ON SKIN: Wash with plenty of water and mild soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
Precautionary Statements Storage:	Precautionary Statements Disposal:
Store in a well-ventilated place. Keep cool. Store locked up.	Dispose of contents/ container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

## Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	% by Weight.
2-Butoxy Ethanol		111-79-2	30-40
D-Limonene		5989-27-5	10-20
Hexylene Glycol		107-41-5	10-15

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Nonylphenol Polyethylene Glycol Ether	68412-54-4	10-15
Isopropanol	67-63-0	5-15

## Additional information:

### Section 4: First-Aid Measures

**Eyes:** Immediately flush eyes with clean water for at least 15 minutes. If irritation is severe or continues after rinsing, get medical attention.

**Skin:** If skin irritation is severe or continues, get medical attention. Remove contaminated clothing and wash affected skin areas with mild soap and water. Wash contaminated clothing before re-wearing. Discard contaminated shoes.

**Inhalation:** If affected by breathing vapor, remove individual to fresh air. If breathing is difficult, get medical attention.

**Ingestion:** If swallowed contact physician or poison control center. Never give anything by mouth if victim is unconscious. Induce vomiting only on advice of physician.

### Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray or mist, carbon dioxide, dry chemical, foam.

**Fire Fighting Procedures:** Use standard firefighting procedures and consider the hazards of other involved materials.

**Precautions for Fire Fighting:** Wear self-contained breathing apparatus and full protective gear.

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, and various hydrocarbons may be released during a fire.

### Section 6: Accidental Release Measures

**Personal Precautions/ Protective Equipment:** Remove all unnecessary personnel and ventilate area. For personal protective equipment see Section 8.

**Environmental Precautions:** Keep run off out of municipal sewers and open bodies of water.

**Methods for Cleaning Up:** Contain spill and salvage as much material as possible by pumping to a salvage tank or drum. Pick up remaining material with a suitable absorbent.

### Section 7: Handling and Storage

**Precautions for Safe Handling:** Do not smoke when using this product or use near open flame or sources of extreme heat. Keep container closed when not in use. Wash contaminated clothing before re-wearing. Wear chemical resistant gloves. Wear chemical splash goggles. Avoid breathing mists or vapors. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.

**Conditions for Safe Storage:** Store at normal temperatures and conditions of warehousing. Keep container tightly closed and stored in a well-ventilated place.

**Incompatibilities:** Any basic (high pH) or caustic materials. Strong acids and oxidizers.

### Section 8: Exposure Controls/Personal Protection

Chemical Name	CAS#	Exposure Limit/Value	Type	Source
2-Butoxy Ethanol	111-79-2	20 ppm	TWA	ACGIH
D-Limonene	5989-27-5	None	None	None
Hexylene Glycol	107-41-5	25 ppm	TLV	ACGIH
Nonylphenol Polyethylene Glycol Ether	68412-54-4	None	None	None
Isopropanol	67-63-0	200 ppm	TWA	ACGIH

**Appropriate Engineering Controls:** Safety shower/eye bath. Good general ventilation should be used. Ventilation rates should be matched to conditions present.

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes:** Wear safety glasses or protective face shield.

**Skin:** Wear chemical resistant gloves, clothing, and footwear.

**Respiratory:** If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.

### Section 9: Physical and Chemical Properties

<b>Appearance:</b> Clear Purple Liquid	<b>Specific Gravity @ 25C:</b> 0.92	<b>Melting Point:</b> Not available
<b>Odor:</b> Ocean	<b>Boiling Point:</b> Not available	<b>Freezing Point:</b> Not available
<b>pH:</b> 8.10	<b>Flash Point:</b> 95F	<b>Vapor Pressure @ 25C:</b> Not available
<b>Solubility in Water:</b> Completely Soluble	<b>Viscosity @ 25C:</b> 10 cps	<b>Evaporation Rate:</b> Not available

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## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Heat, sparks, open flames, and other ignition sources. Stable under typical warehouse storage conditions.

**Incompatible Materials:** Any basic (high pH) or caustic materials. Strong acids and oxidizers.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide and various hydrocarbons may be released during a fire.

**Possibility of Hazardous Reactions:** None are known.

## Section 11: Toxicological Information

### ACUTE HEALTH EFFECTS:

**Eyes:** Will cause severe eye irritation or burns.

**Skin:** Will cause skin irritation.

**Ingestion:** Swallowing this product may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.

**Inhalation:** Breathing vapors at elevated temperatures may cause respiratory irritation.

**Chronic Health Effects:** Not determined.

### TOXICITY VALUES:

COMPONENT: 2-BUTOXY ETHANOL  
LD50 Oral (rat) 745 mg/kg

D-LIMONENE  
LD50 Oral (rat) 4,400 mg/kg  
LD50 Dermal (rabbit) >5 mg/kg

HEXYLENE GLYCOL  
LD50 Oral (rat) >4,000 mg/kg  
LD50 Dermal (rabbit) 7,892 mg/kg

NONYLPHENOL POLYETHYLENE GLYCOL ETHER  
LD50 Oral (rat) 960-3,980 mg/kg  
LD50 Dermal (rabbit) 2,000-2,991 mg/kg

ISOPROPANOL  
LD50 Oral (rat) 5,045 mg/kg  
LC50 Inhalation (rat) 16000 ppm  
LD50 Dermal (rabbit) 12,800 mg/kg

## Section 12: Ecological Information

### Ecotoxicity:

COMPONENT: D-LIMONENE

LC50 Pimephales promelas (fathead minnow) 0.619-1.796 mg/L (96h)

LC50 Oncorhynchus mykiss 35 mg/L (96h)

HEXYLENE GLYCOL

LC50 Pimephales promelas (fathead minnow) 8,690 mg/L (96h)

EC50 Daphnia magna (water flea) 5,410 mg/L (48h)

NONYLPHENOL POLYETHYLENE GLYCOL ETHER

LC50 Pimephales promelas (fathead minnow) 3.8-6.2 mg/L (96h)

LC50 Daphnia magna (water flea) 9.3-21.4 mg/L (48h)

ISOPROPANOL

LC50 Pimephales promelas (fathead minnow) >1,000 mg/L (96h)

EC50 Daphnia magna (water flea) >100 mg/L (48h)

### Persistence and Degradability:

No data available

### Bioaccumulative Potential:

No data available

### Mobility in Soil:

No data available

### Other Adverse Effects:

No data available

## Section 13: Disposal Considerations

Dispose of only by methods approved by and used in accord with local, state, and federal regulations.

## Section 14: Transport Information

**DOT Road Shipment Information (49 CFR 172.101):** UN1993, Flammable Liquids, N.O.S. (Contains D-Limonene and 2-Butoxyethanol), 8, PG III, ERG# 128

**Ocean Shipment (IMDG):** UN1993, Flammable Liquids, N.O.S. (Contains D-Limonene and 2-Butoxyethanol), 8, PG III, ERG# 128

**Air Shipment (IATA):** UN1993, Flammable Liquids, N.O.S. (Contains D-Limonene and 2-Butoxyethanol), 8, PG III, ERG# 128

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## Section 15: Regulatory Information

### US FEDERAL REGULATIONS

#### EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: No

Section 304 CERCLA Hazardous Substances: No

#### SARA Section 311/312 Hazards Categories:

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	Yes	No	No

**SARA Section 313 (specific toxic chemical listings):** this product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Nonylphenol Polyethylene Glycol Ether Cas# 68412-54-4

Isopropanol Cas# 67-63-0

#### CLEAN AIR ACT, SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS):

**TSCA (Toxic Substances Control Act):** All components of this product are listed in the TSCA Inventory

#### US STATES REGULATIONS:

Chemical Substances	CAS #	New Jersey	Pennsylvania	Massachusetts
2-Butoxy Ethanol	111-79-2	X	X	
Diethanolamine	111-42-2	X	X	
Hexylene Glycol	107-41-5	X		
Isopropanol	67-63-0	X		

**California Prop. 65:** This product can expose you to chemicals including Diethanolamine, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Section 16: Other Information

### General Information

**Attention:** Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed. Attention: do not re-use container for purposes other than originally intended. Emptied container retains vapor or product residue. Do not re-use unless container is thoroughly reconditioned. For industrial use only. Use only according to information contained in the technical bulletin and MSDS.

**Additional:** The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guarantee expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer (Big 3 Packaging, LLC) assumes no responsibility for injury from the use of this product. Be safe read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it.

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