

SAFETY DATA SHEET (SDS)

Section 1: Identification


Product Name	Non-Acidic Bathroom Cleaner	Company
Product number	PAK5824	Big 3 Packaging LLC
Brand	PAK-IT	1812 44 th Avenue East
Chemical Name	Solvent Blend	Bradenton, FL 34203
Recommended Usage	Industrial Cleaner	Phone: 215-743-4201 -or- 1-866-697-2548
Pod Size	12 grams	Fax 215-288-0847
		sds@big3packaging.com www.big3packaging.com
Emergency Response Number:		1-800-535-5053
International Emergency Response Number:		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 Damage/Irritation - Category 1 Acute Toxicity-Oral-Category 4 Acute Toxicity-Inhalation-Category 4 Carcinogenicity - Category 2	Flammable liquid and vapor. Causes skin irritation. Suspected of causing cancer. Harmful if inhaled. Harmful if swallowed. Causes serious eye damage.	DANGER!
Pictogram:		
		

Precautionary Statements Prevention:	Precautionary Statements Response:
Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Do not eat, drink or smoke when using this product. 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.	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 exposed or concerned: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. In case of fire: Use water spray, CO ₂ , foam, dry chemical for extinction.
Precautionary Statements Storage:	Precautionary Statements Disposal:
Store locked up. Store in a well-ventilated place. Keep cool.	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.
Nonylphenol Polyethylene Glycol Ether		68412-54-4	40-50
D-Limonene		5989-27-5	10-20

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Glycol Ether DPM		34590-94-8	10-15
Hexylene Glycol		107-41-5	10-15
Ninol 201		Chemical Blend	1-5

Additional information:

Section 4: First-Aid Measures

Eyes: Immediately flush eyes with clean water for at least 15 minutes and 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, sulfur oxides 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: Strong oxidizers.

Section 8: Exposure Controls/Personal Protection

Chemical Name	CAS#	Exposure Limit/Value	Type	Source
Nonylphenol Polyethylene Glycol Ether	68412-54-4	None	None	None
D-Limonene	5989-27-5	None	None	None
Glycol Ether DPM	34590-94-8	100 ppm	WEEL	ACGIH
Hexylene Glycol	107-41-5	25 ppm	TLV	ACGIH
Ninol 201	Chemical Blend	None	None	None

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: Chemical splash goggles and face shield (8' min).

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

Appearance: Clear Red Liquid	Specific Gravity @ 25C: 1.005	Melting Point: Not available
Odor: Lemon/Citrus	Boiling Point: Not available	Freezing Point: Not available
pH: 9-10.5 (Neat)	Flash Point: 139F	Vapor Pressure @ 25C: Not available
Solubility in Water: Completely Soluble	Viscosity @ 25C: 35 cps	Evaporation Rate: 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: Strong oxidizers.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, sulfur oxides 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 vapor can cause headache, nausea, vomiting and irritation of nose, throat, and lungs.

Chronic Health Effects: Listed by IARC as a category 2B possible carcinogen.

TOXICITY VALUES:

COMPONENT: NONYLPHENOL POLYETHYLENE GLYCOL ETHER

LD50 Dermal (rabbit) 2,000-2,991 mg/kg

LC50 Inhalation (rat) 1.15 mg/L (4h)

D-LIMONENE

LD50 Oral (rat) 4,400 mg/kg

LD50 Dermal (rabbit) >5 g/kg

GLYCOL ETHER DPM

LD50 Oral (rat) 5,152 mg/kg

LD50 Dermal (rabbit) >5,000 mg/kg

HEXYLENE GLYCOL

LD50 Oral - Rat - male and female - > 4,000 mg/kg

LD50 Dermal - Rabbit - 7,892 mg/kg

NINOL 201

LD50 Oral (rat) 3500 mg/kg

LD50 Dermal (rabbit) > 2000 mg/kg

SODIUM LAUREL SULFATE

LD50 Oral (rat) 1288 mg/kg

LD50 Dermal (rabbit) >2000 mg/kg

LC50 Inhalation (rat) > 3900 mg/m³ (1h)

Section 12: Ecological Information

Ecotoxicity:

COMPONENT: 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)

D-LIMONENE

0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through

35: 96 h Oncorhynchus mykiss mg/L LC50

HEXYLENE GLYCOL

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

EC50 - Daphnia magna (Water flea) - 5,410 mg/l - 48 h

NINOL 201

LC50 Daphnia 2.25 mg/l, 48 hours

Fish LC50 Fish 2.6 mg/l, 96 hours

SODIUM LAUREL SULFATE

EC50: = 1.8 mg/L, 48h (Daphnia magna)

LC50: 4.2 - 4.8 mg/L, 96h flow-through (Lepomis macrochirus)

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.

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Section 14: Transport Information

DOT Road Shipment Information (49 CFR 172.101): UN1993, Flammable Liquid, N.O.S., (Contains Terpenes and Nonylphenol Polyethylene Glycol Ether), 3, PG III, ERG# 128

Ocean Shipment (IMDG): UN1993, Flammable Liquid, N.O.S., (Contains Terpenes and Nonylphenol Polyethylene Glycol Ether), 3, PG III, ERG# 128

Air Shipment (IATA): UN1993, Flammable Liquid, N.O.S., (Contains Terpenes and Nonylphenol Polyethylene Glycol Ether), 3, PG III, ERG# 128

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	Yes	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

Diethanolamine CAS# 111-42-2

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	New Jersey	Pennsylvania	Massachusetts
Hexylene Glycol CAS# 107-41-5	X		
Dipropylene Glycol Monomethyl Ether CAS# 34590-94-	X	X	X
Diethanolamine CAS# 111-42-2	X	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

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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