

SAFETY DATA SHEET (SDS)

Section 1: Identification


Product Name	Heavy Duty Floor Cleaner	Company
Product number	PAK6122	Big 3 Packaging LLC
Brand	PAK-IT	1812 44 th Avenue East
Chemical Name	Blend of Surfactants and Alcohol	Bradenton, FL 34203
Recommended Usage	Degreaser – General Purpose – Non-Aerosol	Phone: 215-743-4201 -or- 1-866-697-2548
Pod Size	22.5 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):
Acute toxicity – Oral – Cat. 4 Acute toxicity – Dermal – Cat. 4 Acute toxicity – Inhalation (Dusts/Mists) – Cat. 4 Skin corrosion/irritation – Cat. 2 Serious eye damage/eye irritation	Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes skin irritation Causes serious eye damage May cause respiratory irritation	DANGER
Pictogram:		
		

Precautionary Statements Prevention:	Precautionary Statements Response:
Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. IF ON SKIN: Wash with plenty of water and soap. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person 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
Precautionary Statements Storage:	Precautionary Statements Disposal:
Store in a well-ventilated place. Keep container tightly closed. Store locked up	Dispose of contents/container to an approved waste disposal plant.
Other Information	
Toxic to aquatic life with long lasting effects.	

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	% by Weight.
Cyclohexanol		108-93-0	20-40
Poly(oxy-1,2-ethanediyl).alpha.-undecyl-.omega.-hydroxy-	Polyethylene glycol monoundecyl ether	34398-01-1	30-40
Polyethoxylated polypropoxylated C12-15 alcohols	Alcohols C12-15, ethoxylated propoxylated	68551-13-3	15-25
Alcohols, C9-11, ethoxylated		68439-46-3	3-6

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Section 4: First-Aid Measures

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eyes: Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin: Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a physician.

Ingestion: Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-protection of the first aider: Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes, or clothing. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms: Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical: No information available.

Hazardous Combustion Products: Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special protective equipment for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Avoid contact with skin, eyes, or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid breathing vapors or mists.

Other Information: Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Ensure adequate ventilation. Do not eat, drink, or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep out of the reach of children. Store locked up.

Section 8: Exposure Controls/Personal Protection

Chemical Name	CAS#	Exposure Limit/Value	Type	Source
Cyclohexanol	108-93-0	50 ppm	TWA	ACGIH TLV
Cyclohexanol	108-93-0	S*	TWA	ACGIH TLV
Cyclohexanol	108-93-0	50 ppm	TWA	OSHA PEL
Cyclohexanol	108-93-0	200 mg/m3	TWA	OSHA PEL

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Cyclohexanol	108-93-0	50 ppm (vacated)	TWA	OSHA PEL
Cyclohexanol	108-93-0	200 mg/m ³ (vacated)	TWA	OSHA PEL
Cyclohexanol	108-93-0	S* (vacated)	TWA	OSHA PEL
Cyclohexanol	108-93-0	50 ppm	TWA	NIOSH IDLH
Cyclohexanol	108-93-0	200 mg/m ³	TWA	NIOSH IDLH
Cyclohexanol	108-93-0	400 ppm	IDLH	NIOSH IDLH

Canada Exposure Limits

Chemical Name	CAS#	Exposure Limit/Value	Type	Province
Cyclohexanol	108-93-0	50 ppm	TWA	Alberta
Cyclohexanol	108-93-0	205 mg/m ³ Skin	TWA	Alberta
Cyclohexanol	108-93-0	50 ppm Skin	TWA	British Columbia
Cyclohexanol	108-93-0	50 ppm Skin	TWA	Ontario TWAEV
Cyclohexanol	108-93-0	50 ppm	TWA	Quebec
Cyclohexanol	108-93-0	205 mg/m ³ Skin	TWA	Quebec

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls: Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves. Impervious gloves.

Skin and body protection: Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink, or smoke when using this product.

Section 9: Physical and Chemical Properties

Appearance: Clear Purple Liquid	Specific Gravity @ 25C: Not Available	Melting Point: Not Available
Odor: Ocean Fresh	Boiling Point: Not Available	Freezing Point: Not Available
pH: 8	Flash Point: >154F	Vapor Pressure @ 25C: Not Available
Solubility in Water: Completely Soluble	Viscosity @ 25C: Not Available	Evaporation Rate: Not Available

Section 10: Stability and Reactivity

Reactivity: No information available.

Chemical stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Excessive heat.

Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides.

Section 11: Toxicological Information

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (Based on components).

Eye contact: Specific test data for the substance or mixture is not available. Causes serious eye damage. (Based on components). Severely irritating to eyes. May cause burns. May cause irreversible damage to eyes.

Skin contact: Specific test data for the substance or mixture is not available. Causes skin irritation. (Based on components).

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (Based on components).

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms Redness. Redness. Burning. May cause blindness. May cause redness and tearing of the eyes. Coughing and/ or wheezing.

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Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	639.90 mg/kg	ATEmix (inhalation-dust/mist)	4.29 mg/L
ATEmix (dermal)	1,252.20 mg/kg	ATEmix (inhalation-vapor)	31.40 mg/L
ATEmix (inhalation-gas)	12,857.10 ppm		

Unknown acute toxicity

- 1% of the mixture consists of ingredient(s) of unknown toxicity
- 1% of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 1% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 1% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 1% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 1% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

PRODUCT INFORMATION

Effects from short and long-term exposure:

Skin corrosion/irritation: Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation: Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT - single exposure: May cause respiratory irritation.

STOT - repeated exposure: No information available.

Aspiration hazard: No information available.

Toxicity values:

COMPONENT: Cyclohexanol

LD50 Oral (rat) 2.06 g/kg

LD50 Dermal (rabbit) 501-794 mg/kg

LC50 Inhalation (rat) >3.63 mg/L 4H

COMPONENT: Polyethoxylated polypropoxylated C12-15 alcohols

LD50 Oral (rat) 1350 mg/kg

LD50 Dermal (rat) 2000 mg/kg

COMPONENT: Alcohols, C9-11, ethoxylated

LD50 Oral (rat) 1400 mg/kg

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Cyclohexanol	96h EC50: = 29 mg/L (Desmodesmus subspicatus) 72h EC50: = 29.2 mg/L (Desmodesmus subspicatus)	96h LC50: = 1033 mg/L (Pimephales promelas) 96h LC50: = 1100 mg/L (Lepomis macrochirus) 96h LC50: = 704 mg/L (Pimephales promelas)	EC50 = 42.5 mg/L 10 min EC50 = 83 mg/L 5 min EC50 = 955 mg/L 17 h	No data available

Persistence and Degradability: No information available.

Bioaccumulation

Component Information

Chemical Name	Partition coefficient
Cyclohexanol	1.25

Mobility: No information available.

Other adverse effects: No information available.

Section 13: Disposal Considerations

Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

California Waste Codes: 331

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Section 14: Transport Information

DOT Road Shipment Information (49 CFR 172.101): Non-Regulated

Proper Shipping Name: Not Regulated

Hazard Class: Not Applicable

TDG: Not Applicable

MEX: Not Applicable

ICAO: Not Applicable

ADN: Not Applicable

Air Shipment (IATA): Not Applicable

Proper Shipping Name: Not Regulated

Hazard Class: Not Applicable

Ocean Shipment (IMDG/IMO): Not Applicable

Hazard Class: Not Applicable

RID: Not Applicable

ADR: Not Applicable

Section 15: Regulatory Information

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer: Not applicable

The Stockholm Convention on Persistent Organic Pollutants: Not applicable

The Rotterdam Convention: Not applicable

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
No	No	No	No	No

SARA Section 313 (specific toxic chemical listings): Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Substances	CAS No	Weight-%	SARA 131 – Threshold Values %
Cyclohexanol	108-93-0	35	1.0

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

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US STATES REGULATIONS:

Chemical Substances	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Cyclohexanol	X	X	X	X	

California Prop. 65: To the best of our knowledge, this product does not contain any intentionally added reportable Proposition 65 chemicals above our level of detection. For more information go to <http://www.P65Warnings.ca.gov>.

Section 16: Other Information

NFPA	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health Hazards 3	Flammability 0	Instability 0	Personal Protection X

General Information

Attention: Do not reuse container for purposes other than originally intended. Emptied container retains vapor or product residue. Do not reuse unless container is thoroughly reconditioned. For industrial use only. Use only according to information contained in the technical bulletin and SDS.

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) 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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