

SAFETY DATA SHEET

PAK-2

SECTION 01: IDENTIFICATION

Product identifier PAK-2
Other means of identification N/AP
Recommended use Dry Cleaning Charge Soap
Recommended restrictions Reserved for industrial and professional use.
Manufacturer
Company name EXTOX Industries Inc. **Supplier's Name**
Address 6419 Netherhart Rd., **Supplier's Address**
Mississauga, ON L5T 1C3
Emergency Tel: 1-800-501-8601

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification	Acute Toxicity (Oral)	Category 4
	Skin Corrosion/Irritation	Category 2
	Serious eye damage	Category 2
	Specific target organ toxicity - single exposure	Category 3
	Flammable liquids	Category 4

Label elements



Signal Word Warning

Hazard Statement H302 Harmful if swallowed.
H315: Causes Skin Irritation.
H319: Causes Serious Eye Irritation.
H335 May cause respiratory irritation.
H227: Combustible Liquid

Precautionary Statement Keep Away From Heat/sparks/open Flames/hot Surfaces. No Smoking
Wash Hands Thoroughly After Handling.
Do Not Get In Eyes, On Skin, Or On Clothing.
If Inhaled: Remove Person To Fresh Air And Keep Comfortable For Breathing.
If On Skin (or Hair): Take Off Immediately All Contaminated Clothing. Rinse Skin With Water/shower.
If In Eyes: Rinse Cautiously With Water For Several Minutes. Remove Contact Lenses If Present And Easy To Do - Continue Rinsing.
If Swallowed: Rinse Mouth. Do Not Induce Vomiting.
Immediately Call A Poison Center Or Doctor/physician.
Wash Contaminated Clothing Before Reuse.
Absorb Spillage To Prevent Material Damage.
Keep Out Of Reach Of Children.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Isoalkanes	68551-16-6	40-70
Dodecylbenzene Isopropylamine Sulfonate	2624-05-1	7-13
Alcohol Ether Phosphate Ester	68071-35-2	1-5
Alcohol Ethoxylate	9002-92-0	7-13
Antibacterial Agent		> 2

SECTION 04: FIRST-AID MEASURES

Inhalation Remove to fresh air. Get medical attention if symptoms occur.

Skin contact Wash off immediately with plenty of water. Wash clothing before reuse. Seek medical attention if symptoms occur.

Eye Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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Most important symptoms/effects, acute and delayed See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapour can travel considerable distance and flashback to a source of ignition. Vapours are heavier than air and collect in confined and low-lying areas.

Special protective equipment and precautions for firefighters Wear full protective equipment including a self-contained breathing apparatus.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Methods and materials for containment and cleaning up

Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Keep away from heat, sparks and flame.

Conditions for safe storage Store in a cool, dry, well-ventilated area. Keep container tightly closed.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits Occupational exposure limits: Not available

Appropriate Engineering Controls Effective exhaust ventilation system.

Personal Protective Equipment Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves Rubber, vinyl or neoprene

Respiratory Wear approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Wear eye protection/face protection.

Clothing Chemical resistant apron if contact is likely.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour Lemon odour

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Physical State	Liquid
Color	Amber
Odour Threshold	No data available.
pH	6.5 - 7.5
Freezing Point (°C)	No data available.
Initial Boiling Point (°C)	>100°C
Flashpoint (°C)	No data available.
Evaporation Rate	No data available.
Flammability	No data available.
Lower Explosive Limit	No data available.
Upper Explosive Limit	No data available.
Lower Flammability Limit	No data available.
Upper Flammability Limit	No data available.
Vapour Pressure (mm)	No data available.
Vapour Density (Air = 1)	No data available.
Relative Density	<1
Solubility	Dispersible
Partition coefficient (n-octanol/water)	No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C)	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.
Reactivity	This material is considered to be non reactive under normal use conditions.
Chemical Stability	Stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization will not occur.

Conditions to avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Smoke and carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation

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Toxicological Information

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

EYES: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling.

INHALATION: Irritant of the nose and throat, causing coughing, difficulty breathing, and pulmonary edema.

INGESTION: Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.

Chronic Exposure : Health injuries are not known or expected under normal use.

Toxicity

Respiratory or skin sensitization : no data available

Carcinogenicity : no data available

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

Numerical Measures Of Toxicity

Hazardous Ingredients	LD ₅₀ /LC ₅₀ Specify Species and Route
Alkanes	LD50 Dermal - Rabbit: 15400mg/kg LD50 Oral - Rat:34600 mg/kg
dodecylbenzene isopropylamine sulfonate	Oral LD50: 1300 mg/kg (rat)
Ethoxylated Alcohol	LD50 (Oral, Rat) 9060 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No data available.

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

Disposal methods In accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number Not regulated under TDG.

TDG Classification N/AP

Packing group N/AP

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Special Shipping Instructions None.

SECTION 15: REGULATORY INFORMATION

Regulatory Information This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable
N/AV = Not Available
ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
GHS: Globally Harmonized System
HPR : Hazardous Products Regulations
IARC: International Agency for Research on Cancer
NIOSH: The National Institute for Occupational Safety and Health
NTP : National Toxicology Program
OSHA : United States Department of Labor - Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TWA: Time-Weighted-Average

Prepared By: EXTOX Industries Inc.

Revision Date June 24, 2020

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