

MT. HOOD CHEMICAL CORPORATION (MT. HOOD SOLUTIONS)

14546 N. Lombard

Portland, Oregon 97203

Emergency Phone: 503-227-3505

N/A = NOT APPLICABLE

NA = NOT AVAILABLE

MATERIAL SAFETY DATA SHEET**PRODUCT NAME: POLAR BARE**

DATE PRINTED: 5/8/2012

PRODUCT NAME: POLAR BARE

PREPARED BY: K. Woods

DATE: January 25, 1998

CHEMICAL FAMILY: Mixture

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):Isopropyl Alcohol (67-63-0)
2-butoxyethanol (111-76-2) **%
Less than 50%
Less than 50%EXPOSURE LIMITS, ppm: ACGIH TLV OSHA-PEL
400 400
25 25

** Ingredient subject to SARA Title III, Section 313 reporting requirements if annual usage exceeds 10,000 lbs.

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

PHYSICAL PROPERTIES:

Boiling Point: About 170° F

Solubility in Water: 100%

Specific Gravity - Liquid (H₂O = 1): 0.83-0.89

Odor and Appearance: Clear, pale blue, liquid; light sweetish, alcohol odor

% Volatiles: 100%

% Volatile Organic Content (VOC): 90%

Vapor Pressure: NA

Vapor Density (Air = 1): NA

FIRE AND EXPLOSION DATA:

Flash Point: 95°F, TCC

Extinguishing Media: CO₂ foam, dry chemical, water fog

Special Firefighting Procedures: When large amounts are present, wear full protective equipment and self-contained breathing apparatus.

Unusual Hazards: Vapors from this product may concentrate in confined spaces.

Flammability Limits: NA

HEALTH EFFECTS:

Effects of overexposure: May cause eye irritation. Prolonged skin contact may cause irritation. Ingestion may cause nausea, vomiting, or diarrhea.

Overexposure to vapors or absorption of 2-butoxyethanol through the skin may cause headache, dizziness, or nausea.

Chronic effects of overexposure: Chronic overexposure may produce effects in blood due to 2-butoxyethanol absorption.

Medical conditions that may be aggravated by exposure: Liver, kidney, blood disorders may be aggravated.

Primary routes of entry: Ingestion, inhalation of vapors or mist, skin contact.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush thoroughly with plenty of water for at least 15 minutes. Get prompt medical attention.

Skin Contact: Flush thoroughly from skin with plenty of water. If skin irritation persists, see a physician.

Ingestion: DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN. Give plenty of water or milk and call a physician immediately.

Inhalation of mist or vapor: Move to fresh air. Give oxygen if breathing is difficult. Call a physician.

REACTIVITY DATA:

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Acids, strong oxidizers, chlorine bleach, amines, ammonia, caustics

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide if burned

Conditions to Avoid: High heat, open flames, sparks

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Ventilate area well. Extinguish all sources of ignition. Flush to sewer with plenty of water OR mop up OR absorb on an absorbent, sweep-up absorbent material and place in a closed container.

Waste disposal method: According to local, state, or federal ordinances.

SPECIAL PROTECTION INFORMATION:

Ventilation: Normal room ventilation adequate for normal use.

Respiration Protection: If TLV may be exceeded, NIOSH approved respirator with proper canister.

Eye Protection: Safety glasses recommended if spraying or splashing.

Protective Gloves: For prolonged contact or sensitive individuals, rubber or neoprene gloves recommended.

Other Protective Equipment: None

SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage:

Store in closed container in cool, dry area. Store away from open flame, sparks, heat. Wash thoroughly after handling. Ground metal containers when transferring.

KEEP OUT OF REACH OF CHILDREN.

HAZARD RATING:

Health:	1	0 = Minimal	3 = Serious
Fire:	3	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	

P R O D U C T I N F O R M A T I O N

POLAR BARE - FREEZER CLEANER

GENERAL DESCRIPTION:

POLAR BARE is an excellent in-place freezer cleaner. No defrosting necessary!! POLAR BARE melts away ice from floors, walls and shelves as it cleans. Safely and effectively removes grease, grime, food soils, and lift truck tire marks. POLAR BARE is ideal product for food processing plants, cold storage lockers, supermarkets, and restaurants. Contains no poisonous methanol or anti-freeze.

U.S.D.A. authorized for use in federally inspected food processing plants.

PROPERTIES:

Form:	Liquid
Color:	Blue
Odor:	Slight Alcohol & Butyl

USE DIRECTIONS:

Move or protect all food, edible products, and packaging. Apply POLAR BARE without dilution to walls, floors, and shelves with a mop, sprayer, or sponge. Allow a few minutes for ice to melt, scrub and wipe, mop, squeegee or wet vacuum clean.

When used in areas of sub-freezing temperatures, a potable water rinse is not required, if solution and soil are removed.

CAUTION:

Can cause skin and eye irritation. For contact with skin or eyes, flush area thoroughly with water for at least 15 minutes. If irritation persists, see a physician. Do Not Ingest. Consult the Material Safety Data Sheet for additional precautions.

KEEP OUT OF REACH OF CHILDREN.

PACKAGING: 4x1 gallons/case
55 gallon drum

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