

Material Safety Data Sheet



HEALTH
FLAMMABILITY

HMIS®

1 REACTIVITY 0
1 PERSONAL PROTECTION None

Identity: KLEIN KLEANERS®
Formula: B422
Part numbers: 51425, 51426

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1: Company Identification

Manufacturer's Name ITW Dymon	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 805 East Old 56 Highway	International Emergency Telephone Number 1-352-323-3500
Olathe, Kansas 66061	Telephone Number for Information 1-913-397-9889
	Signature of Preparer (Optional) Regulatory Dept.

SECTION 2: Ingredients/Identity Information

Components (Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Water	7732-18-5	None	None	None	60 - 100%
D-Limonene (R-p-mentha-1,8-diene)	5989-27-5	None	None	30 ppm (Manu.)	5 - 13%
Ethoxylated Alcohols (C12-15 pareth-7)	68131-39-5	None	None	None	1 - 5%
Sodium Lauryl Sulfate	151-21-3	None	None	None	1 - 5%
Fragrance	Mixture	None	None	None	1 - 5%

In accordance with 29 CFR 1910.1200 this product does not contain any substances defined as hazardous by this standard.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

SECTION 3: Hazards Identification

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	No	Yes	Yes

Acute Health Hazards - Caution. May cause mild eye or skin irritation.

Chronic Health Hazards - None known

Carcinogenicity:

Chemical: None	OSHA: No	NTP: No	IARC: No
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Signs and Symptoms of Exposure - Redness, tearing or burning in eyes. Redness, burning, drying or cracking of skin. Irritation of the throat or stomach, nausea, vomiting, and diarrhea if swallowed.

Medical Conditions Generally Aggravated by Exposure - Pre-existing skin conditions such as dermatitis may be adversely affected by this and other oil and grease effective cleaners.

SECTION 4: Emergency and First Aid Procedures:

Eyes - Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. See a physician immediately.

Ingestion - Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately.

Inhalation - Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed move into fresh air. If symptoms develop seek medical attention.

Skin - None usually required. Material is designed for skin cleansing. If symptoms develop seek medical attention.

SECTION 5: Fire Fighting Measures

Flash Point (Method Used) None to boiling (PMCC) Solution on Towel	Flammable Limits No Data	LEL No Data	UEL No Data
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Extinguishing Media – Use carbon dioxide, dry chemical, foam, fog or water spray.

Special Fire Fighting Procedures - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.

Hazardous Products of Combustion-Carbon dioxide, carbon monoxide, various hydrocarbons, hydrogen sulfide, sulfur dioxide, and soot.

Unusual Fire and Explosion Hazards - None known.

SECTION 6: Accidental Release Measures

Small Spill - Wipe up small releases with a dry absorbent cloth or other absorbent material.

Large Spill – Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers or drains. Ventilate area and block traffic. Transfer contaminated material into suitable container for proper disposal.

SECTION 7: Handling and Storage

Handling - Do not allow towel contact with eyes. For external use only. Not for use around the mouth or eyes for an extended period of time. Do not smoke while using. Do not contaminate water, food or feed by use or storage. Follow label directions carefully.

Storage – Store in a cool well ventilated area. Keep away from heat sources. Keep out of reach of children. Keep container tightly sealed when not in use.

SECTION 8: Exposure Controls / Personal Protection

Eye Protection – None necessary. Do not allow towel to directly contact eyes.

Skin Protection – None necessary. Product is designed for direct skin use.

Respiratory Protections – Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

Engineering Controls – Ventilation not usually necessary but should be provided in the event of overexposure.

SECTION 9: Physical and Chemical Properties

Appearance and Odor:	Opaque white liquid with a fresh citrus scent saturated onto towels.
PH	9.8 ± 0.5
Specific Gravity (70°F)	0.986
Boiling Point:	212°F
Melting Point:	No Data
Evaporation Rate (Butyl Acetate = 1)	No Data
Vapor Pressure (mm-Hg @ 70°F)	No Data
Vapor Density (AIR = 1)	> 1
Solubility in Water	Dispersible
Volatile Organic Compounds (VOCs)	78.97 grams per liter or 8.0% by weight VOCs

SECTION 10: Stability and Reactivity

Hazardous Polymerization – This product will not undergo hazardous polymerization.

Hazardous Decomposition or Byproducts – Carbon dioxide, carbon monoxide, hydrogen sulfide, sulfur dioxide, and soot.

Chemical Stability - Stable

Incompatibility (Materials to Avoid) - Strong oxidizers and acids.

SECTION 11: Toxicological Information

D'Limonene: Acute Dermal LD50 >5g/kg, rabbit
Acute Oral LD50 >5g/kg, rat

Ethoxylated Alcohols: Acute Dermal LD50 2g/kg, rabbit
Acute Oral LD50 2.5-5g/kg, rat

SECTION 12: Ecological Information

Ethoxylated Alcohols: 96 hr fathead minnow static acute LC50: 0.5 mg/L
48 hr Daphnia pulex static acute EC50: 0.76 mg/L

SECTION 13: Disposal Consideration

Disposal Method - Dispose of in accordance with all applicable local, state, and federal regulations.

RCRA Waste Information – If this product becomes a waste, it would not be a hazardous waste as defined by RCRA (40 CFR 261). However the waste should be properly characterized to evaluate whether its composition has been modified prior to disposal.

SECTION 14: Transport Information

DOT Information – 49 CFR 172.101

Proper Shipping Description: Not Regulated
Hazard Class: None
Identification Number: None
Packing Group: None

Water Transportation:

Proper Shipping Description: Not Regulated
Hazard Class: None
Identification Number: None
Packing Group: None

Air Transportation:

Proper Shipping Description: Not Regulated
Hazard Class: None
Identification Number: None
Packing Group: None

Marine Pollutants: None

SECTION 15: Regulatory Information

US Federal Regulations:

TSCA (Toxic Substances Control Act) Status

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ – 40 CFR 302.4 (a)

None Listed

SARA 313 Components – 40 CFR 372.65

None

State and Local Regulations:

California Proposition 65

None

NSF Registration Category Code – E4

Section 16: Additional Information

Date Prepared:

Rev. 3 – 11/21/06 – NSF Category Code added.

Rev. 2 – 09/05/06

Rev. 1 – 08/19/05

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.
