

Section 1 – Product and Company Identification

Product(s): **SCRUBS® Hand Cleaner Towels**
 Formula: B422
 Part Number(s): 42201, 42210, 42225, 42230, 42256, 42260, 42272, 42280

Company Name & Address: 
 805 E. Old 56 Hwy.
 Olathe, KS 66061
 800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers: **IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.**
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
 Poison Control Center: 1-800-222-1222

Material Safety Data Sheets: www.dymon.com

Section 2 – Hazards Identification

CAUTION. May cause mild eye or skin irritation.

Potential Health Effects:

EYES:	May cause mild eye irritation.
SKIN:	May cause mild skin irritation.
INHALATION:	Not a likely exposure route.
INGESTION:	Not a likely exposure route.
Signs/symptoms of exposure: redness, tearing or burning in eyes. Redness, burning, drying or cracking of skin. Irritation of the throat or stomach, nausea, vomiting, 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.	

HMIS Rating Health – 1 Flammability – 1 Reactivity – 0 Personal Protection – None

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Water	7732-18-5	60 – 100
D-Limonene (R-p-mentha, 1, 8-diene)	5989-27-5	5 – 13
Ethoxylated Alcohols (C12-15 pareth-7)	68131-39-5	1 – 5
Sodium Lauryl Sulfate	151-21-3	1 – 5
Fragrance	Mixture	1 – 5

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 4 – First Aid Measures

EYES:	Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. If irritation persists seek medical attention.
SKIN:	None usually required. Material is designed for skin cleansing. If symptoms develop seek medical attention.
INHALATION:	Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed move to fresh air. If symptoms develop seek medical attention.
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.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC):	None to boiling, solution on towel.
Extinguishing Media:	Dry chemical, carbon dioxide, 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.
Hazardous Products of Combustion:	Carbon monoxide, carbon dioxide, various hydrocarbons, hydrogen sulfide, sulfur dioxide and soot.

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 and 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. Use from original container only and follow label directions carefully. Follow good chemical hygiene practices when handling this material.
Storage:	Keep container closed when not in use. Keep away from heat sources. Store in a cool well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Keep from freezing.

Section 8 – Exposure Controls/Personal Protection

Engineering controls:	Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits:	D-Limonene (CAS# 5989-27-5): 30 ppm, Manufacturer's recommendation
Eye protection:	None necessary. Do not allow towel to directly contact eyes.
Skin protection:	None necessary. Product is designed for direct skin use.
Respiratory protection:	Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor:	White opaque liquid with a fresh citrus scent saturated onto towels.	
pH: 9.8 +/- 0.5	Boiling Point: 212 F	Specific Gravity: 0.986
Vapor Density: >1	Vapor Pressure: No Data	Solubility in Water: Miscible
Evaporation Rate: No Data	Volatile Organic Compounds (VOCs): 78.97 g/L or 8% by weight	

Section 10 – Stability and Reactivity

Hazardous Polymerization:	This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts:	Carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide and soot.
Chemical Stability:	Stable
Incompatible Materials:	Strong oxidizers and strong acids.

Section 11 – Toxicological Information

D-Limonene, CAS# 5989-27-5
 Acute Dermal LD50 >5g/kg, rabbit; Acute Oral LD50 >5g/kg, rat; Inhalation RD50 >1000ppm
 Ethoxylated Alcohols, CAS# 68131-39-5
 Acute Dermal LD50 <5g/kg, rabbit; Acute Oral LD50 1.6-2.7g/kg, rat
 Sodium Lauryl Sulfate, CAS#151-21-3
 Dermal 25mg/24hr=moderate, rabbit; Oral LD50 1288mg/kg, rabbit
 Eyes 100mg/24hr=moderate, rabbit

Section 12 – Ecological Information

Ethoxylated Alcohols, CAS# 68131-39-5
 96 hr fathead minnow static acute LC50:2.7mg/L; 48 hr Daphnia acute EC50:0.4-0.75 mg/L

Section 13 – Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal regulations.
Waste information: If this product becomes a waste, it would not be hazardous as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Danger Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Not Regulated	None	None

Marine Pollutants: None

Section 15 – Regulatory Information

- US Federal Regulations**
 - Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.
- CERCLA RQ**
 - None
- SARA 313 Components**
 - None
- State and Local Regulations**
 - California Proposition 65
 - None
- NSF Registration Category Code**
 - E4, #138879

Section 16 – Other Information

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.