MATERIAL SAFETY DATA SHEET Rating Scale: **HMIS NFPA** DYNAMIC RESEARCH CO., INC. 0=Insignificant 1 HEALTH 1 4800 SW MEADOWS Ste 300 1=Slight 0 FLAMMABILITY 0 LAKE OSWEGO, OR 97035 2=Moderate 0 REACTIVE 0 3=High None OTHER None 4=Extreme **SECTION 1 - PRODUCT IDENTIFICATION** PRODUCT NAME OR NUMBER (As it appears on label) **TRACTION** Slip Resistant Floor Cleaner & Treatment **EMERGENCY INFORMATION:** (24-HOUR EMERGENCY) 1-800-255-3924 (US / Canada) 1-813-248-0585 (International) (GENERAL INFORMATION) 1-503-699-1335 CHEMICAL OR COMMON NAME: Floor Detergent DATE ISSUED: 04-15-2013 SUPERSEDES: : 12-11-2011 **SECTION 2 - INGREDIENT INFORMATION** CHEMICAL NAMES CAS# **WEIGHT %** Pine Oil (distilled) 008002-09-3 1 - 2 Surfactants 68439-46-3 1 - 10112-80-1 1 - 10 Fatty acid Potassium hydroxide 1310-58-3 1 - 2 Balance is water, coloring, fragrance & similar non-hazardous ingredients There are no ingredients in this product that are currently reportable in either SARA Title III: Section 313, 40 CFR part 372 or the California Preposition 65 requirements. **SECTION 3 - HEALTH HAZARD INFORMATION** PRIMARY ROUTES OF ENTRY: EYES: X SKIN: X INGESTION: ___ INHALATION: ___ SIGNS AND SYMPTOMS: EYES: Direct contact with eyes can cause irritation. Prolonged or repeated contact with eye may cause irritation, burns, or redness Direct contact with skin can cause irritation, or redness **INHALATION:** Inhalation of mist or vapor may cause cause irritation of nose, throat, & lungs. **INGESTION**: Harmful if swallowed; May cause gastrointestinal irritation and diarrhea. **SECTION 4 - FIRST AID MEASURES** Immediately flush with water for at least 15 minutes, remove contact lenses. Seek medical aid. Immediately flush with water for at least 15 minutes, If pain, irritation or redness persists, seek medical aid. INGESTION: If swallowed, do not induce vomitting. Immediatley drink 2 glasses of milk or water. Do not give unconscious victim large amounts of milk or water. Seek medical aid. INHALATION: Remove to fresh air immediately. Seek medical attention if breathing difficulty persists. **SECTION 5 - FIRE AND EXPLOSION INFORMATION**

FLASH POINT: None (ASTM D92) FLAMMABLE LIMITS: LOWER: NA UPPER: NA

EXTINGUISHING MEDIA: X FOAM X CO2 X DRY CHEMICAL X WATER FOG _ OTHER

SPECIAL FIRE FIGHTING PROCEDURES: Normal fire fighting procedures may be used.

Use extinguishing media appropriate for surrounding fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Presonnal Precautions: Put on appropriate personal protection equipment (see Section 8)

Environmental Precautions and Clean Up Methods:Absorb_with diatomaceous earth or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Follow all Federal, State and Local regulations.

SECTION 7 - HANDLING and STORAGE

HANDLING: Do not taste or swallow. Avoid contact with skin or eyes. Wash thoroughly after handling product. FOR COMMERCIAL AND INDUSTRIAL USE

STORAGE: Do not store near heat or flame (containers may melt). Keep from freezing (containers may rupture). Empty containers may contain small amounts of undiluted product. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

ENGINEERING CONTROLS: No special requirements. General room ventilation is adequate.

HANDS: No special requirement under normal use conditions. **EYES:** No special requirement under normal use conditions.

RESPIRATORY PROTECTION: No special requirement under normal use conditions.

FEET: No special requirement under normal use conditions **BODY**: No special requirement under normal use conditions

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Launder contaminated equipment before reuse

SECTION 9 - PHYSICAL DATA

BOILING POINT 212 F SPECIFIC GRAVITY (H20=1) 1.010 FREEZING POINT ND PERCENT VOLATILE BY VOLUME 90% SOLUBILITY IN WATER Complete VAPOR PRESSURE (mm Hg) NA pH (undiluted) 9.0 - 10.3 EVAPORATION RATE (Butyl Ac=100) NA

pH (1%) 9.4 - 09.6 APPEARANCE & ODOR Pale, milky white liquid,

citrus,pine odor

SECTION 10 - REACTIVITY INFORMATION

STABILITY: STABLE X UNSTABLE CONDITIONS TO AVOID NA

INCOMPATIBILITY (MATERIALS TO AVOID): Reactive with acids. Do not mix with other chemicals or cleaners.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X

SECTION 11 – TOXICOLOGOCAL INFORMATION

Oral: LD50 Estimated to be greater than 4000 mg/kg (rat); Dermal: LD50 Estimated to be greater than 4000 mg/kg (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 – DISPOSAL CONSIDERATION

WASTE DISPOSAL INFORMATION: No special method. Observe all applicable Federal, State and Local regulations, rules and /or ordinances regarding disposal of non-hazardous materials.

SECTION 14 – DOT AND TRANSPORTATION INFORMATION

DOT CLASS: Non-hazardous Class 55 DOT#: NA

SHIPPING NAME: Cleaning, Scouring or Washing Compounds, NOI Liquid SPECIAL INFORMATION: Not regulated as a hazardous material by DOT or IMO.

SECTION 15 - REGULATORY AND ECOLOGICAL INFORMATION

Reporting in this section is based upon ingredients disclosed on Section 2

This product is not subject to the reporting requirements under California Proposition 65

PHOSPHATE CONTENT:

ARE ALL THE ORGANIC INGREDIENTS IN THIS PRODUCT BIODEGRADABLE?:

ARE ALL THE INGREDIENTS IN THIS PRODUCT LISTED ON THE TSCA LISTS?:

INGREDIENTS LISTED AS CARCINOGENS ON NTP, IARC, or OSHA LISTS?:

No

There are no components in this product currently reportable or listed as carcinogens by NTP, IARC or OSHA; on CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980); on SARA Title III, Sections 302/304; or on CALIFORNIA PROPOSITION 65. All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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FEDERAL

SARA 302/304/311/312 hazardous chemicals: Potassium Hydroxide

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium Hydroxide,

SARA 313 toxic chemical notification and release reporting: CERCLA: Hazardous substances.: Potassium Hydroxide

STATE

New Jersey RTK: Potassium Hydroxide , Potass

CEPA - Domestic Substances List (DSL)

All substances in this product are listed on the Domestic Substances List of Canada (DSL) or are not required to be on the list.

ABBREVIATIONS: NA=Not Applicable NSR=No Special Requirement ND=Not Determined

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