

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Hands Down
 Product Use: Green Industrial Hand Soap with Microbeads
 Manufactured by: Kor-Chem, Inc.
 5800 Bucknell Drive
 Atlanta, GA 30336

Product Identification # (PIF): 01168
 Emergency Telephone #: 1-800-255-3924
 General Information #: 404-344-9580
 Date Prepared: September 11, 2015
 Date revised: 6/21/19

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Flammable Liquid	4	H227	Combustible
Acute Toxicity, Oral	5	H303	May be harmful if swallowed
Eye Irritation	2A	H319	Causes serious eye irritation
Hazardous to the Aquatic Environment, Long-term hazard	3	H412	Harmful to aquatic life with long-lasting effects

Precautionary	Code	Statement
Prevention	P210 P264 P273 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 P305+P351+P338 P337+P313 P370+P378	Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use foam, dry chemical, carbon dioxide fire extinguishers or water spray for extinction.
Storage	P403+P235	Store in a well ventilated place. Keep cool.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: Prolonged or repeated contact without rinsing may cause drying of the skin. High vapor concentrations may cause respiratory tract irritation, coughing, headache and CNS depression. Ingestion may cause vomiting and headache. Contains material which may cause cancer based on animal data.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
D-Limonene	Orange Terpenes	5989-27-5	2 – 6
Ethyl alcohol	Ethanol	64-17-5	1 – 5

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Product is a hand cleaner - rinse skin with water after handling. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.

Inhalation: If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician. Rinse mouth and drink 1-2 glasses of water to dilute. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIA Combustible liquid

Flash Point: >140°F (>60°C)

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is a Class IIIA combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid release to the environment. Rinse thoroughly after handling.

For Small Spills: Spilled material is slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Avoid release to the environment. Do not handle around sources of ignition. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not pre-mix with other chemicals. Do not eat, drink or smoke in work areas. Rinse thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight – Keep cool. Keep from freezing. Keep container tightly closed when not in use. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents and strong acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
D-Limonene	5989-27-5	Not determined	Not determined	Not determined
Ethanol	64-17-5	1000ppm	1000ppm	Not determined

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Not required. Safety glasses with side shields or splash proof goggles if transferring large volumes

Skin: Product is a hand cleaner – no protection required.

Respirator: Not required. Use NIOSH approved protection if handling large volumes and vapors are causing irritation.

Other: Use in a well ventilated area. Do not eat, drink or smoke while handling. Rinse thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green, opaque liquid	Upper/Lower flammability limits	Not determined
Odor	Lemon-lime	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	7 – 8	Specific gravity (water = 1.0)	0.907 g/ml
Melting point	Not determined	Solubility	Dispersible in water
Freezing point	Not determined	Partition coefficient	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	>140°F (>60°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity, #5 @ 20 rpm Brookfield	9000 - 12000
Flammability	Class IIIA Combustible	%Volatile/Volume	74

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong oxidizing agents and strong acids.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

Oral (LD50 Rat): >5000 mg/kg

Dermal (LD50 Rabbit): >125 g/kg

Inhalation (LC50 Rat): >20 mg/kg vapors

NTP/IARC/OSHA Carcinogen: IARC Group 3 – Orange Terpenes #5989-27-5, IARC Group 2B – Cocamide DEA #68603-42-9.

Eye Contact: Causes serious eye irritation.

Skin Contact: Product is a hand cleaner – no adverse effects expected. Rinse after handling.

Inhalation: High vapor concentrations may cause respiratory tract irritation, coughing, headache and CNS depression.

Ingestion: Ingestion may cause vomiting and headache. May be harmful if swallowed.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

96h LC-50 (fish): 14.7 – 19.0 mg/L

24h EC-50 (invertebrates): 65 mg/L

16h EC-50 (algae): Not determined

Persistence and degradability: No information available

Bioaccumulation: No information available

Mobility: This product is dispersible in water. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.

Effects on Aquatic Life: Harmful to aquatic life with long-lasting effects. Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

Other: This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14. TRANSPORT INFORMATION

United States DOT:

Container of 119 gallons or less:

49 CFR 173.120(b)(2) *Combustible Liquid:* This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

49 CFR 173.150(e) *Aqueous solutions of alcohol:* An aqueous solution containing 24 percent or less alcohol by volume and no other hazardous material—(1) May be reclassified as a combustible liquid.(2) Is not subject to the requirements of this subchapter if it contains no less than 50 percent water.

Container of 120 gallons or more:

UN/ID No.: NA1993

Proper Shipping Name: Combustible liquid, n.o.s., (Ethanol, Terpenes Hydrocarbons)

Hazard Class: Comb liq

Packing Group: III

IATA and IMDG:

Not regulated per 49CFR 171.11(d)(3): Combustible – Flash point above 140°F (60°C)

Marine Pollutant (IMDG Code): Not listed

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	Yes
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Ethanol 64-17-5 - California, New Jersey, Pennsylvania, Minnesota and Massachusetts.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

Date revised: 6/21/19, revised

Hazard Ratings (HMIS): Health 1, Flammability 2, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Product VOC: 7%

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration

LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101; Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.