K-Chem, Inc.

Date: August 3, 2015

SAFETY DATA SHEET

SECT ION 1 - IDENT IF ICAT ION

Product identifier used on the label: 2K Jell Soap

Other means of Identification: CL01C

Recommended use of the chemical and restrictions on use: **F**or professional use only.

Manufacturer/Supplier:
K-Chem, Inc.
P.O. Box 530632
Birmingham, AL, 35253

Contact: Karen Halpern
Telephone: 205-592-0844
Fax: 205-592-8106

24 Hr. Emergency Tel. #: ChemTel 1-800-255-3924

SECT ION 2 - HAZ ARDS IDENT IF ICAT ION

Classification of the chemical:

Carcinogenicity	Category 2

Label elements:

Signal Word:

Warning

Hazard statement(s): Suspect of causing cancer

Precautionary statement(s)
Obtain special instruction before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
If exposed or concerned: Get medical advice/attention
Store locked up
Dispose of contents/container to an approved waste disposal plant

Hazard pictogram(s)

Other hazards not otherwise classified: Not applicable

SECT ION 3 - COMPOSIT ION/INF ORMAT ION ON INGREDIENT S

Chemical Name, Common Name & Synonyms:	CAS #	Weight-%
Pine oil	8002-09-3	5-10
Cocamide DEA	68603-42-9	<5
Diethanolamine	11-42-2	<1

**** If the chemical name/CAS # is "proprietary" and/or the weight % is shown as a range, this information had been withheld as a trade secret.**

SECT ION 4 - F IRST -AID MEASURES

Description of first aid measures:

If swallowed: Clean mouth with water and drink afterwards plenty of water.

If on skin (or hair): Wash off immediately with plenty of water for at least 15 minutes.

If inhaled: Remove to fresh air.

If in eyes: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Most Important symptoms and effects, both acute and delayed: Not determined

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishable measures that are appropriate to local circumstances and the surrounding environment.

***Unsuitable extinguishing media*:** Not determined.

Special hazards arising from the substance or mixture: Product is not flammable.

Special protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment as required.

Methods and material for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Keep in suitable, closed containers for disposal.

SECT ION 7 - HANDL ING AND ST ORAGE

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Conditions for safe storage: Keep container tightly closed and store in a cool, dry and well-ventilated place. Store

locked up.

Incompatible materials: Acids. Oxidizing agents. Bleach.

SECT ION 8 – EXPOSURE CONT ROL S AND PERSONAL PROT ECT ION

Exposure Limits:			
Chemical Name	**ACGIH TLV**	**OSHA PEL**	**NIOSH IDLH**
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m^3	(vacated) Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3
Caustic Soda 1310-73-2	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3 (vacated) Ceiling: 2 mg/m^3	IDLH: 10 mg/m^3 Ceiling: 2 mg/m^3
Glycerol 56-81-5	-	TWA: 15 mg/m^3 mist, total particulate TWA: 5 mg/m^3 mist, respirable fraction (vacated) TWA: 10 mg/m^3 mist, total particulate (vacated) TWA: 5 mg/m^3 mist, respirable fraction	-
Diethanolamine 111-42-2	TWA: 1 mg/m^3 Inhalable fraction and vapor S*	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m^3	TWA: 3 ppm TWA: 15 mg/m^3

Exposure controls:

Ventilation and engineering measures: Apply technical measures to comply with the occupational exposure limits.

Respiratory protection: Ensure adequate ventilation, especially in confined areas.

Skin protection: Wear suitable protective clothing.

Eye face protection: Avoid contact with eyes.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECT ION 9 - PHYSICAL AND CHEMICAL PROPERT IES

Appearance: Clear opal liquid

Odor: Pine

Odor threshold: No applicable information available

pH: 10.6-12.0

Melting/Freezing point: No applicable information available

Initial boiling point and boiling range: 100 ºC / 212 ºF

Flash point: None to boiling

Flashpoint (Method): No applicable information available

Evaporation rate (BuAe = 1): Similar to water

Flammability (solid, gas): No applicable information available

Lower flammable limit (% by vol.): Not Flammable

Upper flammable limit (% by vol.): Not Flammable

Vapor pressure: No applicable information available

Vapor density: No applicable information available

Relative density: No applicable information available

Solubility in water: Soluble

Other solubility(ies): No applicable information available

Partition coefficient: No applicable information available

Auto ignition temperature: No applicable information available

Decomposition temperature: No applicable information

available **Viscosity:** Similar to water

Volatile organic Compounds (%VOC's): No applicable information available

Other physical/chemical comments: No applicable information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Not normally reactive

Chemical stability: Stable

Possibility of hazardous reactions: No hazardous polymerization

Conditions to avoid: Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials: Acids. Oxidizing agents. Bleach.

Hazardous decomposition products: None known based on information supplied.

SECT ION 11 - TOXICOLOGICAL INFORMAT ION

Information on likely routes of exposure:

Routes of entry - inhalation: Do not inhale.

Routes of entry - skin & eye: Avoid contact with eyes and skin.

Routes of entry - Ingestion: Do not taste or swallow.

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Symptoms: Please see Section 4 of this SDS for symptoms.

Potential Chronic Health Effects:

Mutagenicity: Not expected to be mutagenic in humans.

Carcinogenicity:

Chemical name	ACGIH	IARC	NTP	OSHA
Cocamide DEA 68603-42-9		Group 2B		X
Diethanolamine 111-42-2	A3	Group 2B		X

ACGIH (Amiercan Conference of Governmental Industrial Hygienists)
A3 – Animal Carcinogen
IARC (international Agency for Research on Cancer)
Group 3 IARC componenets are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive effects: No applicable information available

Sensitization to material: Not applicable

Specific target organ effects: Not applicable

Medical conditions aggravated by overexposure: Not applicable

Toxicological data: Not applicable

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD_{50} (Oral, rat)	LD_{50} (Dermal. Rabbit)	LC_{50} (4hr, Inhal., rat)
Tall Oil Fatty Acid	61790-12-3	=7600 mg/kg	-	-
Pine oil	8002-09-3	=3200 mg/kg	=5 g/kg	-
Cocamide DEA	68603-42-9	=12400 µL/kg	> 5 g/kg	-
Potassium hydroxide	1310-58-3	=214 mg/kg	-	-
Caustic Soda	1310-73-2	-	=1350 mg/kg	-
Glycerol	56-81-5	=12600 mg/kg	>10 g/kg	> 570 mg/m^3
Diethanolamine	111-42-2	=620 µL/kg	=7640 µL/kg	-
Tetrasodium EDTA	64-02-8	=10 g/kg	-	-

*All empty cells no applicable information available

Other important toxicological hazards: None reported.

SECT ION 12 - ECOL OGICAL INF ORMAT ION

Ecotoxicity: May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.

Component Information:

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Tall Oil Fatty Acid 61790-12-3	1000: 72 h Pseudokirchneriella subcpitata mg/L EC50	-	-	-
Pine oil 8002-09-3	-	-	-	17-28: 48 h Daphnia magna mg/L EC50 Flow through
Cocamide DEA 68603-42-9	-	3.6: 96 h Brachdanio rerio mg/L LC50 semi-static	-	4.2: 24 h Daphnia magna mg/L EC50
Potassium hydroxide 1310-58-3	-	80: 96 h Gambusia affinis mg/L LC50 static	-	-
Caustic Soda 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-
Glycerol 56-81-5	-	51-57: 96 h Oncorhynchus mykiss ml/L LC50 static	-	-
Diethanolamine 111-42-2	7.8: 72 h Desmodesmus subspicatus mg/L EC50 2.1-2.3: 96 h Pseudokirchneriella subcapitata mg/L EC50	4460-4980: 96 h Pimephales promelas mg/L LC50 flow-through 1200-1580: 96 h Pimephales promelas mg/L LC50 static 600-1000: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 73 mg/L 5 min EC50 > 16 mg/L 16 h	55: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	-	610: 24 h Daphnia magna mg/L EC50

Persistence and degradability: No applicable information available

Bioaccumulation potential: No applicable information available.

Mobility in soil:

Chemical Name	Partition Coefficient
Diethanolamine 111-42-2	-2.18

Other Adverse Environmental effects: No applicable information available.

SECT ION 13 - DISPOSAL CONSIDERAT IONS

Handling for disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECT ION 14 - T RANSPORT AT ION INF ORMAT ION

US 49 CFR/DOT information:

UN No.: Not regulated

UN Proper Shipping Name: Not regulated

Transport Hazard Class(es): Not regulated

Packing Group: Not regulated

Special Transportation Notes: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

SECT ION 15 - REGUL AT ORY INFORMAT ION

TSCA information: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

European EINECs information: All ingredients listed appear on the European EINECs inventory.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

US Federal Regulations:

CERCLA: :

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity
Diethanolamine 111-42-2	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

US State Regulations:

California Proposition 65: This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Cocamide DEA 68603-42-9	Carcinogen
Diethanolamine 111-42-2	Carcinogen

U.S. State Right-to-Know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Pine oil 8002-09-3	x		
Potassium hydroxide 1310-58-3	X	X	X
Caustic Soda 1310-73-2	X	X	X
Glycerol 56-81-5	X	X	X
Diethanolamine 111-42-2	X	X	X

SECTION 16 - OTHER INFORMATION

NFPA:	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	None
HMIS:	**Health Hazards**	**Flammability**	**Phsyical Hazards**	**Personal Protection**
	1	0	0	X

Legend:
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CSA: Canadian Standards Association **DOT:** Department of Transportation
ECOTOX: U.S. EPA Ecotoxicology Database
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Co operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances **SARA:** Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet Material Safety Data Sheet
STEL: Short Term Exposure Limit
TOG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

DISCLAIMER

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

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