KOR-CHEM

SAFETY DATA SHEET

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: ProWash
Product Use: Press & Screen Wash
Manufactured by: Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 01640
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: June 7, 2013
Date Revised: July 12, 2016 version #3

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Flammable liquid and vapor	3	H226	Flammable Liquid
May be harmful if swallowed	5	H303	Acute Toxicity, Oral
May be harmful if swallowed and enters airways	2	H305	Aspiration Hazard
Causes skin irritation	2	H315	Skin Irritation
Causes serious eye irritation	2A	H319	Eye irritation
May cause an allergic skin reaction	1	H317	Skin Sensitization
May be harmful if inhaled	5	H333	Acute Toxicity, Inhalation
May cause drowsiness or dizziness	3	H336	STOT, SE; Narcotic Effects
Toxic to aquatic life with long-lasting effects	2	H411	Hazardous to the Aquatic Environment, Long-term

Precautionary Measures:

Category	Code	Statement
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P261	Avoid breathing fumes/mists/vapors/sprays.
	P264	Wash thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P310+P330	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
	P331	Do NOT induce vomiting.
	P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
	P352	Wash with soap and water.
	P321	Specific treatments: See Section 4 First Aid Measures.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse.
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P370+P378	In case of fire: Use dry chemical, carbon dioxide fire extinguishers, water spray for extinction.
	P391	Collect spillage.
Storage	P403+P233+P235	Store in a well ventilated place. Keep container tightly closed. Keep Cool.
	P405	Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Prolonged or repeated contact may dry skin and cause dermatitis. May be harmful if absorbed through skin. High vapor concentrations may cause respiratory tract irritation, coughing and headache. Ingesting large amounts may be fatal.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Distillates, petroleum, hydrotreated light	Unknown	64742-47-8	45 – 49
Solvent napththa petroleum heavy aliphatic	Unknown	64742-96-7	45 – 49

D-Limonene	Orange Terpenes	5989-27-5	8 – 12
Diethylene glycol monobutyl ether	Glycol ether DB	112-34-5	8 – 12

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. If irritation persists, seek medical attention.
Skin or Hair: Rinse off skin, then wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation or rash develops, seek medical attention. Contaminated work clothing should not be allowed out of the workplace.
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.
Ingestion: Call a physician immediately – aspiration hazard. Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to a drowsy or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: >113^{o}F (>45^{o}C)
Flammability: Class II Combustible Liquid
Extinguishing Media: 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, carbon dioxide and aldehydes.
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 combustible and readily ignited even by static discharge. Grounding equipment is recommended.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ventilate area. Avoid breathing fumes/mists/vapors/sprays. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
For Small Spills: Avoid release to the environment – collect spillage. Spilled material may be 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 with non-sparking tools. 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 only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/vapors/sprays. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Use proper bonding and grounding during product transfer as described in document NFPA 77. Use explosion-proof equipment and non-sparking tools. Take precautionary measures against static discharge. 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 premix with other chemicals. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Avoid release to the environment – collect spillage. Contaminated work clothing should not be allowed out of the workplace.
Storage: Keep away from heat, flame, or sunlight – keep cool. Keep from freezing. Keep container tightly closed when not in use. Protect from physical damage. Store locked up in a well-ventilated place. Store away from strong oxidizing agents and strong acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Distillates, petroleum, hydrotreated light	64742-47-8	500ppm	200mg/m3	Not determined
Solvent napththa petroleum heavy aliphatic	64742-96-7	Not determined	200mg/m3	Not determined
D-Limonene	5989-27-5	Not determined	Not determined	Not determined
Diethylene glycol monobutyl ether	112-34-5	Not determined	10 ppm	Not determined

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

Eye: Safety glasses with side shields or splash proof goggles. Wear face shield if splashing hazard exists.
Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots. Wear apron if handling large amounts.
Respirator: Use NIOSH approved protection with organic vapor cartridge if PEL is exceeded , or if vapors are causing irritation.
Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Slight citrus	Vapor pressure	0.15 mmHg @ 20^{o}C
Odor threshold	Not determined	Vapor density (Air = 1)	>1

pH	Not applicable	Specific gravity (water = 1.0)	0.830 g/ml
Melting point	Not determined	Solubility	Insoluble in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	>113°F (>45°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class II Combustible	VOC by weight	10%

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, carbon dioxide and aldehydes.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >2000mg/kg
Dermal (LD50 Rabbit): >2000mg/kg
Inhalation (LC50 Rat): 5.9 mg/l

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged/repeated skin exposures can result in dermatitis. May be harmful if absorbed through skin.
Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.
Respiratory or skin sensitization: May cause an allergic skin reaction with rash. May be harmful if inhaled. May cause drowsiness or dizziness. High vapor concentrations may cause respiratory tract irritation, coughing and headache.
Germ cell mutagenicity: No data available
Carcinocenicity: NTP/IARC/OSHA Carcinogen: IARC Group 3 – Orange Terpenes CAS# 5989-27-5
Reproductive toxicity: Not available
STOT-single exposure: May cause dizziness or drowsiness.
STOT-repeated exposure: Not classified.
Aspiration hazard: May be harmful if swallowed and enters airways.
Ingestion: May be harmful if ingested. Ingesting large amounts may be fatal. May be harmful if swallowed and enters airways
Likely routes of exposure: Eyes, skin and inhalation
Interactive effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LL-50 (fish): 6 mg/l - Distillates, petroleum, hydrotreated light
48h EL-50 (invertebrates): 1.6 mg/l - Distillates, petroleum, hydrotreated light
72h EL-50 (algae): 14.4 mg/l - Distillates, petroleum, hydrotreated light

Persistence and degradability: Expected to be readily biodegradable.
Bioaccumulative potential: This material may be accumulated in organisms.
Mobility in soil: Soil mobility not determined. This product floats on water.
Other adverse effects: Toxic to aquatic life with long-lasting effects. Avoid release to the environment – collect spillage.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Toxic to aquatic life with long-lasting effects. Avoid release to the environment – collect spillage.
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: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).
Other: This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14. TRANSPORT INFORMATION

US DOT Container of 119 gallons or less:

Combustible Liquid (49 CFR 173:120(b)(2): 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.

US DOT Container of 120 gallons or more:

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (Terpene Hydrocarbons, Distillates, petroleum, hydrotreated light)
Hazard Class: 3
Packing Group: III

IMDG or IATA:

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (Terpene Hydrocarbons)
Hazard Class: 3
Packing Group: III
Marine Pollutant (IMDG Code): Not listed.
Toxic to aquatic life with long-lasting effects.

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

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 contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Diethylene glycol monobutyl ether CAS# 112-34-5, percent by wt. = 10% (glycol ethers category).CERCLA: This product does not have a reportable quantity.
United States Right-To-Know: Distillates (petroleum), hydrotreated light CAS# 64742-47-8 - New Jersey & Pennsylvania. Solvent naphtha (petroleum) heavy aliphatic CAS# 64742-96-7 – New Jersey, Pennsylvania.
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: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: July 12, 2016 version #3 – SDS updated to meet revisio #5 GHS requirements.
Hazard Ratings (HMIS): Health 2, Flammability 2, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.
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
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SE	Single Exposure
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
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.