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: PC-175
Product Use: Press Side Wash-Up Cleaner
Manufactured by: Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 01633
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: April 11, 2014
Date Revised: August 30, 2016 – version #4

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
May cause an allergic skin reaction	1	H317	Skin Sensitization
Causes serious eye irritation	2A	H319	Eye Irritation
May cause drowsiness or dizziness	3	H336	STOT, Single Exposure; Narcotic effects
Toxic to aquatic life with long-lasting effects	2	H411	Hazardous to the Aquatic Environment, Long-term hazard

Precautionary Measures:

Precautionary	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/gas/mists/vapors/sprays.
	P264	Wash thoroughly after handling
	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	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	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.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P321	Specific treatments: See Section 4 First Aid Measures.
	P363	Wash contaminated clothing before reuse.
	P403+P233	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P405	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 Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray for extinction.
	P391	Collect spillage.
Storage	P403+P235+P235	Store in a well ventilated place. Keep Cool. Keep container tightly closed.
	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 skin contact may cause drying and flaking of the skin (dermatitis). High vapor concentrations may cause respiratory tract irritation, coughing and headache. Ingestion may cause vomiting and headache.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
1-Methoxy 2-Propanol Acetate	Glycol ether PM acetate	108-65-6	73 – 77
D-Limonene	Orange Terpenes	5989-27-5	14 – 18
Naphtha (petroleum), heavy alkylate	OMS	64741-65-7	7 – 11

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: 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: DO NOT INDUCE VOMITING. Immediately call a POISON CENTER or doctor/physician. Rinse mouth. 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

Flash Point: 117^{o}F (47^{o}C)
Flammability: Class II Combustible Liquid
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.
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 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). Eliminate all ignition sources – No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/vapors/sprays. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Collect spillage.
For Small Spills: 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: Use personal protective equipment (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/vapors/sprays. Do not handle around sources of ignition. 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. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Collect spillage.
Storage: Keep away from heat, flame, or sunlight – Keep cool. Keep from freezing. Keep container tightly closed. Store in a well-ventilated place. Store locked up. 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
1-Methoxy 2-Propanol Acetate	108-65-6	Not established	Not established	Not established
D-Limonene	5989-27-5	Not determined	Not determined	Not determined
Naphtha (petroleum), heavy alkylate	64741-65-7	500 ppm	Not established	Not established

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 a 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, if vapors are causing irritation of if mists/spays are generated.
Other: Use 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	Citrus and acetate	Vapor pressure	>0.1mmHg @ 20^{o}C
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	Not applicable	Specific gravity (water = 1.0)	0.935 g/ml
Melting point	Not determined	Solubility	Appreciable
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	117^{o}F (47^{o}C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined

Flammability	Class II Combustible	VOC's	935 g/L (100% by weight)

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May react with oxygen to form peroxides.
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

Toxicity:

Oral (LD50 Rat): >5000 mg/kg
Dermal (LD50 Rabbit): >33 g/kg
Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged/repeated skin exposures can result in dermatitis.
Serious eye damage/irritation: Serious eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.
Respiratory or skin sensitization: High vapor concentrations may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing. May cause an allergic skin reaction.
Germ cell mutagenicity: No data available
Carcinocenicity: NTP/IARC/OSHA Carcinogen: IARC Group 3 – Orange Terpenes CAS# 5989-27-5. Naphtha (petroleum), heavy alkylate – IARC Group 2B: Possibly carcinogenic to human.
Reproductive toxicity: Not available
STOT-single exposure: May cause drowsiness or dizziness
STOT-repeated exposure: Not classified
Aspiration hazard: May be harmful if swallowed and enters airways
Ingestion: May be harmful if swallowed. Ingestion may cause vomiting and headache and irritation to entire gastrointestinal tract.
Likely routes of exposure: Eyes, skin
Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): 3.2 – 4.1 mg/l
96h EC-50 (invertebrates): Not determined
48h LC-50 (algae): not determined

Persistence and degradability: 1-Methoxy 2-Propanol Acetate is inherently biodegradable.
Bioaccumulative potential: Not determined.
Mobility in soil: Soil mobility not determined. This product floats on water. This product is volatile and may spread in the atmosphere.
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 – avoid release to the environment.
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).

SECTION 14. TRANSPORT INFORMATION

United States 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.

Container of 120 gallons or more:

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (1-Methoxy 2-Propanol Acetate, Terpene Hydrocarbon, Naphtha (petroleum), heavy alkylate)
Hazard Class: 3
Packing Group: III

IATA and IMDG:

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (1-Methoxy 2-Propanol Acetate, Terpene Hydrocarbon, Naphtha (petroleum), heavy alkylate)
Hazard Class: 3
Packing Group: III
Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101). Toxic to aquatic life – avoid release to the environment.
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: (Naphtha (petroleum), heavy alkylate) CAS #64741-65-7 – Massachusetts, Pennsylvania and New Jersey.

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: August 30, 2016 version #4 – This version contains VOC's in g/L in Section 9.

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.