KOR-CHEM
GRAPHIC ARTS DIVISION

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: Press Wash 5050
Product Use: Screen Printing Cleaner
Manufactured by: Kor-Chem, Graphic Arts Division
490 Great SW Parkway
Atlanta, GA 30336

Product Identification (PIF #): 09519
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: October 25, 2017
Date revised: May 17, 2019

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: DANGER

Hazard Class	Category	Code	Hazard Statement
Flammable Liquid	2	H225	Highly flammable liquid and vapor
Skin Sensitization	1	H317	May cause an allergic skin reaction
Eye Irritation	2A	H319	Causes serious eye irritation
STOT: SE, Respiratory Tract Irritation	3	H335	May cause respiratory irritation

Precautionary Measures:

Category	Code	Statement
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
	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	P302+P352	IF ON SKIN: 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.
	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 Foam, dry chemical, carbon dioxide fire extinguishers, water spray for extinction.
Storage	P403+P233+P235	Store in a well ventilated place. Keep container tightly closed. 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 skin contact can cause skin defatting (dermatitis). Prolonged inhalation may be harmful – affecting the central nervous system.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Tert-Butyl acetate	t-butyl Acetate	540-88-5	46 – 52
2-Propanone	Acetone	67-64-1	48 – 54

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 persists, 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. Call a physician immediately. 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 IA Flammable
Liquid Flash Point: -4ºF (-20ºC)
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: Readily ignited by static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/gas/mists/vapors/sprays. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
For Small Spills: 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/gas/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. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. 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. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents, acids and nitrates.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Tert-Butyl Acetate	540-88-5	200 ppm	200 ppm	Not determined
Acetone	67-64-1	1000 ppm	500 ppm	750 ppm

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.
Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing.
Respirator: Use NIOSH approved protection if PEL is exceeded or if ventilation is inadequate.
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	Pungent, sweetish	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	>1 for heavier than air
pH	Not applicable	Specific gravity (water = 1.0)	0.8390 g/ml
Melting point	-95ºC	Solubility	Soluble in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	56ºC	Auto-ignition temperature	869ºF
Flash point	1.4ºF (-17ºC)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	>1	Viscosity	Not determined
Flammability	Class IB Flammable	%Volatile/Volume	100

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, acids and nitrates.
Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral (LD50 Rat): 8 g/kg

Dermal (LD50 Rabbit): 20 g/kg
Inhalation (LC50 Rat): 21, 142 ppm
Human (LC50 human): 500 ppm for eye and throat irritation.

Skin corrosion irritation: May cause an allergic skin reaction. Prolonged or repeated skin contact can cause skin defatting (dermatitis), with itching and redness.
Serious eye damage/irritation: Eye irritant – can cause burning sensation, tearing, swelling and redness. Respiratory or skin sensitization: May cause respiratory irritation. Prolonged inhalation may be harmful – affecting the central nervous system.
Germ cell mutagenicity: Not available
Carcinocenicity: NTP/IARC/OSHA Carcinogen: No
Reproductive toxicity: Not available
STOT-single exposure: Immediate – eye irritant with burning sensation, tearing, swelling and redness. May cause an allergic skin reaction. May cause respiratory irritation.
STOT-repeated exposure: Delayed – Prolonged or repeated skin contact can cause skin defatting (dermatitis), with itching and redness. Prolonged inhalation may be harmful – affecting the central nervous system.
Aspiration hazard: Not available
Ingestion: May irritate the mouth, throat and gastrointestinal tract.
Likely routes of exposure: Eyes, skin and inhalation.
Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:
96h LC-50 (fish): >100ppm
96h EC-50 (invertebrates): Not determined
48h LC-50 (algae): Not determined
Persistence and degradability: No data available.
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: None known.

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.
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:
UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (Tert-Butyl Acetate, Acetone) Hazard Class: 3
Packing Group: II
49 CFR §173.154 (b) (2) (Exemption): This product can ship as “Limited Quantity” in inner packaging not over 0.3 gallons. (Non-Hazardous)

IATA and IMDG:
UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquid, n.o.s., (Tert-Butyl Acetate, Acetone) Hazard Class: 3
Packing Group: II
Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
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: tert-butyl Acetate (CAS# 540-88-5) has a reportable quantity of 5,000 lbs. at 100% concentration, however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of “Hazardous Substance”).
United States Right-To-Know: tert-butyl Acetate (CAS# 540-88-5) – Massachusetts, New Jersey, Pennsylvania and Rhode Island.
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 revised – May 17, 2019 – GHS standard.

0% VOC

Hazard Ratings (HMIS): Health 2, Flammability 3, 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
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
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.