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: Shop Magic
Product Use: Heavy Duty Autoscrubber Detergent
Manufactured for: Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 02512
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: July 9, 2014
Date Revised: March 28, 2022 rev.#3

SECTION 2. HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 1, Fire 1, Reactivity 0 (scale 0 – 4)



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Eye Irritation	2A	H319	Causes serious eye irritation
Skin Irritation	2	H315	Causes skin irritation
Narcotic Effects	3	H336	May cause drowsiness or dizziness
Flammable Liquid	4	H227	Combustible Liquid

Repeated skin exposure can cause drying and flaking of the skin (dermatitis).
Inhalation of vapors/mists/sprays may cause irritation to the respiratory system, and central nervous system depression. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.
Ingestion may cause headache, dizziness and gastrointestinal distress. Causes rapid damage to red blood cells and subsequent anemia.
Product VOC: 7%

Precautionary	Code	Statement
General	P101	If medical advice is needed, have product label at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
	P261	Avoid breathing fumes/mists/ vapors/sprays.
	P264	Wash thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352	IF ON SKIN: Wash with soap and water.
	P321	Specific treatments: See Section 4 First Aid Measures.
	P332+P313	If skin irritation 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.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P370+P378	In case of fire: Use foam, dry chemical, carbon dioxide fire extinguishers or water spray for extinction.
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.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration Range %
2-butoxyethanol	111-76-2	5 – 9
Disodium trioxosilicate	6834-92-0	1 – 5

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. If irritation persists, seek

medical attention.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation 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 immediately. If victim is completely conscious and aware, have him rinse out mouth, then drink 8 oz. water to dilute. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIA Combustible liquid Flash
Point: Flash Point: 180ºF (82ºC)
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: None known.
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 a Class IIIB Combustible liquid.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.
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. Neutralize spill with mild acid, such as citric acid. 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. Use with adequate ventilation. 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. 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.
Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from oxidizers, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
2-Butoxyethanol	111-76-2	50ppm	20ppm	NE
Disodium trioxosilicate	6834-92-0	NE	NE	NE

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 gloves.
Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.
Clothing: Normal materials handling clothing.
Other: Use only in a well ventilated area. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Purple, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Butyl	Vapor pressure	>0.1mmHg @ 20ºC
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	13	Specific gravity (water = 1.0)	1.040 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point (Closed cup)	192ºF (88.89ºC)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Water thin
Flammability	Class IIIA combustible	%Volatile/Volume	93

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
Substances to avoid: Avoid oxidizers, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.
Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):
Oral (LD50 Rat): >5000mg/kg
Dermal (LD50 Rabbit): >5000mg/kg
Inhalation (LC50 Rat): >5000ppm (4hrs)
Eye Contact: Causes eye irritation.
Skin Contact: Causes skin irritation. Repeated exposure to skin can cause drying and flaking of the skin (dermatitis).
Inhalation: Inhalation of vapors and/or mists may cause irritation to the respiratory system, and central nervous system depression. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.
Ingestion: May cause headache, dizziness and gastrointestinal distress. Causes rapid damage to red blood cells and subsequent anemia. Extreme overexposure may cause liver and kidney damage.
NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Acute Aquatic Effects:
96h LC-50 (fish): >100ppm
48h LC-50 (invertebrates): >100ppm
192h EC0 (algae): >10ppm
Bioaccumulation: No data available
Mobility: This product is soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.
Effects on Aquatic Life: This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

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: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States D.O.T.:
Not regulated

IATA and IMDG:
Marine Pollutant (IMDG Code): No
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
Delayed (Chronic) Health = Yes
Fire Hazard = 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): Ethylene Glycol Monobutyl Ether CAS# 111-76-2 Reporting Threshold = 1.0%
CERCLA: This product does not have a reportable quantity.
United States Right-To-Know: Ethylene Glycol Monobutyl Ether CAS# 111-76-2 – California, Massachusetts, Minnesota, 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: Not applicable.

SECTION 16. OTHER INFORMATION

Date prepared: March 28, 2022, Revised for date and format.
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
GHS	Globally Harmonized System
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.