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: ER-Powder
Product Use: Concentrated Emulsion Remover Powder
Manufactured by: Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 01483
Emergency Telephone #: 1-800-255-3924 ChemTel
General Information #: 404-344-9580
Date Prepared: February 23, 2024
Revision: 2

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: DANGER

Hazard Class	Category	Code	Hazard Statement
Oxidizing solid	1	H271	May cause fire or explosion; strong oxidizer
Skin corrosion/irritation	1	H314	Causes severe skin burns and eye damage
Specific Target Organ Toxicity – Repeat Exposure	1	H372	Causes damage to organs (thymus gland) through prolonged or repeated exposure
Hazardous to the aquatic environment – acute hazard	1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment – long term hazard	2	H411	Toxic to aquatic life with long lasting effects

Precautionary Measures:

Category	Code	Statement
Prevention	P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
	P220	Keep away from clothing and other combustible materials.
	P260	Do not breathe dusts.
	P264	Wash hands thoroughly after handling.
	P270	Do not eat, drink, or smoke when using this product.
	P273	Avoid release to the environment.
	P280	Wear protective gloves, clothing, eye protection.
	P283	Wear fire resistant or flame-retardant clothing.
Response	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P306+P360	IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
	P371+P380+P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P361+P354	IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P363	Wash contaminated clothing before reuse.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P316	Get emergency medical help immediately.
	P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing.
	P319	Get medical help if you feel unwell.
	P391	Collect spillage.
Storage	P420	Store seperately.
	P405	Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of hazards not otherwise classified: Prolonged contact may cause skin drying (dermatitis).

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Sodium periodate	Sodium metaperiodate	7790-28-5	98 – 100

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.

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: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. 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: Not flammable
Flash Point: Not flammable
Extinguishing Media: Not flammable, but may intensify fire - Use foam, dry chemical, carbon dioxide fire extinguishers or water spray for extinction. Use water spray to keep fire-exposed containers cool.
Specific hazards arising from chemical: Oxidizer – may ignite other combustible materials. May develop highly toxic or corrosive fumes if heated. Containers can build up pressure if exposed to heat and/or fire. May react with metals to form hydrogen gas.
Hazardous combustion products: Iodine fumes, hydrogen iodide and oxides of sodium and carbon.
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 not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Ventilate area. Avoid breathing dusts. Do not eat, drink or smoke or smoke while handling this product. Wash thoroughly after handling.
For Small Spills: Avoid dispersal of material into soil, waterways, drains and sewers. Contain discharged material. If sweeping of a contaminated area is necessary, use a dust suppressant agent. Place all spill residues in an appropriate container for chemical wastes and seal it. Wash walking surfaces with water and prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Dispose of chemical waste 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. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Avoid dust formation. Do not premix with other chemicals. Avoid breathing dusts. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.
Storage: Keep away from heat, flame, or sunlight – Keep cool. 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 acids, organic materials, reducing agents and flammable substances.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Sodium periodate	7790-28-5	Not established	Not established	Not established

Engineering Controls: Provide adequate ventilation. 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 an appropriate respirator or dust mask if airborne concentrations are high.
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	White, granular solid	Upper/Lower flammability limits	Not determined
Odor	None	Vapor pressure	Not applicable
Odor threshold	Not determined	Vapor density (Air = 1)	Not applicable
pH at 1%	5.5	Density	4 g/cm3
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	Not flammable	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	Not applicable	Viscosity	Not applicable
Flammability	Not flammable	Product VOC	0

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May react with metals to form hydrogen gas. Contact with acids releases toxic gases. Oxidizing agent to combustibles.
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 acids, organic materials, reducing agents and flammable substances.
Hazardous combustion products: Iodine fumes, hydrogen iodide and oxides of sodium and carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): Not determined
Dermal (LD50 Rabbit): Not determined
Inhalation (LC50 Rat): 4mg/m3 resp. dust, 10 mg/m3 total dust (8 hours)

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged contact may cause skin drying (dermatitis).
Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.
Respiratory or skin sensitization: Inhalation of dusts may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing.
Germ cell mutagenicity: No data available
Carcinocenicity: NTP/IARC/OSHA Carcinogen: No
Reproductive toxicity: Not available
STOT-single exposure: May cause respiratory irritation
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified
Ingestion: Toxic if swallowed – may cause damage to organs through prolonged/repeated exposure. Toxic effects may be delayed up to 24 hours.
Likely routes of exposure: Eyes, skin and inhalation
Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:
96h LC-50 (fish): Not determined
96h EC-50 (invertebrates): Not determined
48h LC-50 (algae): Not determined

Persistence and degradability: Inorganic product.
Bioaccumulative potential: May be accumulated in organism.
Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.
Other adverse effects: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

UN/ID No.: UN3085
Proper Shipping Name: Oxidizing solid, corrosive, n.o.s. (Sodium metaperiodate)
Hazard Class: 5.1
Secondary Class: 8
Packing Group: II

Special Provisions (49 CFR 172.102): 62, IB6, IP2, T3, TP33
Exceptions (49 CFR 173.***): 152
Non-bulk packaging (49 CFR 173.***): 212
Bulk packaging (49 CFR 173.***): 242
Quantity Limitations:
Passenger aircraft/ rail (49 CFR 173.27): 5 kg
Cargo aircraft only (49 CFR 175.75): 25 kg

Vessel Stowage:
Location: B
Other:
13 – Keep as dry as reasonably practicable.
34 – Stow away from foodstuffs.
56 – Stow separated.

Marine Pollutant (IMDG Code): This product does not contain any ingredients listed in Annex B to 49 CFR 172.101 that exceed 1% in concentration.

Transportation in Bulk (IMDG-Annex II of MARPOL 73/78 and IBC Code): This product is not offered for bulk 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: None known.
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 Revised: May 15, 2020, revised for Toxicity Hazard Class.
Hazard Ratings (HMIS): Health 2, Flammability 1, Reactivity 1 (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.