

# MATERIAL SAFETY DATA SHEET

## HAZARD RATINGS

Health: 1  
Flammability: 0  
Reactivity: 0  
Personal Protection: B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS'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 I.

### PRODUCT IDENTIFICATION

Product Identifier: Power Pine  
EPA Reg. #: 10324-85-11712  
Product VOC: 0  
Manufactured By: Kor-Chem, Inc.  
5800 Bucknell Drive  
Atlanta, GA 30336

Product Identification #(PIF): 1909  
Emergency Telephone #: 1-800-255-3924  
General Information #: 404-344-9580  
Prepared by: Sonya Lockhart  
Date Prepared: March 28, 2005

## SECTION II.

### HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride	68424-85-1	ND		ND	0.034
Octyl decyl dimethyl ammonium chloride	32426-11-2	ND		ND	0.026
Dioctyl dimethyl ammonium chloride	5538-94-3	ND		ND	0.013
Didecyl dimethyl ammonium chloride	7173-51-5	ND		ND	0.013

## SECTION III.

### HEALTH HAZARD INFORMATION

.....Primary Routes of Entry: X Skin X Eyes \_\_\_ Inhalation \_\_\_ Ingestion

◆ *Effects of overexposure:*

- Eye Contact: May cause irritation.
- Skin Contact: Prolonged or repeated contact with skin may cause irritation.
- Inhalation: Irritation of mucous membrane can be caused by mists of products.
- Ingestion: May cause irritation to the entire gastrointestinal tract. May be fatal if ingested in large amounts.

## SECTION IV.

### EMERGENCY FIRST AID

- ◆ *Eyes:* Flush well with water for at least 15 minutes. Call a physician.
  - ◆ *Skin:* Wash skin immediately with plenty of soap and water. If irritation develops, call a physician.
  - ◆ *Inhalation:* Move to fresh air.
  - ◆ *Ingestion:* Drink lots of water to dilute. Call a physician, medical facility or poison control for treatment advice.
- Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

## SECTION V.

### FIRE & EXPLOSION DATA

Flammability: NOT FLAMMABLE  
Means of extinction: Dry Chemical, Water Fog, CO<sub>2</sub>, Foam  
Autoignition Temperature: NA  
Hazardous combustion products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.  
◆ *Special Fire Fighting Procedures:* Cool fire exposed containers with spray, Must wear MSHA/NIOSH approved self-contained breathing apparatus.  
◆ *Unusual Fire Fighting Hazard:* NONE

## SECTION VI.

### REACTIVITY DATA

Chemical stability: Stable  
Hazardous polymerization: Will not occur.  
Incompatibility with other substances: Strong oxidizers or reducing agents.  
Conditions to Avoid: None.  
Hazardous decomposition products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

## SECTION VII.

### HANDLING & STORAGE

*Storage:* Keep container closed when not in use. Keep away from heat, flame, or sunlight. Protect from freezing.

*Handling:* Do not premix with other chemicals. Exercise reasonable care and precaution.

## **SECTION VIII. EXPOSURE CONTROL/PERSONAL PROTECTION**

Personal protective equipment: Use rubber gloves and eye protection.

Gloves (specify): Chemical resistant gloves

Respirator (specify): NIOSH, if ventilation inadequate

Eye (specify): Chemical resistant eye ware

Footwear (specify): Chemical resistant shoes

Clothing (specify): Normal materials handling clothing

Other: Always provide adequate ventilation.

## **SECTION IX. SPECIAL PRECAUTIONS/ OTHER COMMENTS**

Carefully read all instructions on label before handling this product. "FOR INDUSTRIAL USE ONLY"

## **SECTION X. PHYSICAL DATA**

Boiling point: NA

Vapor Density: (Air = 1): ND

Specific Gravity, (water + 1.0): 1.00

pH, Neat: 6-9

% Volatile/ volume: 99%

Vapor Pressure: ND

Solubility: Complete

Evaporation Rate: ND

*Description/odor: Yellow, clear liquid with pine odor.*

## **SECTION XI. TOXICOLOGICAL INFORMATION**

◆ Effects of acute exposure to product: Eye and skin contact may cause irritation.

◆ Effects of chronic exposure to product: None.

## **SECTION XII. ECOLOGICAL INFORMATION**

This pesticide is toxic to fish. For guidance, contact your State Water Board or regional office of the EPA.

## **SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION**

Large spills cannot occur because of packaging. Material should be soaked onto absorbent and shoveled into waste containers.

Dispose of contaminated absorbent material in accordance to local, state and federal regulations. This pesticide is toxic to fish.

Do not release to open, public waters.

## **SECTION XIV. TRANSPORT INFORMATION**

Not regulated by D.O.T.

## **SECTION XV. REGULATORY INFORMATION**

### **SARA TITLE II REPORTING REQUIREMENTS**

SECTION 302: Not listed

SECTION 311: Not listed

SECTION 312: Not listed

SECTION 313: Not listed

CERCLA: This product is not reportable.

RCRA: Not applicable.

## **SECTION XVI. ADDITIONAL INFORMATION**

NONE.....

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.