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MATERIAL SAFETY DATA SHEET
REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

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DATE UPDATED: MAY 08, 2014

SECTION 1. ----- CHEMICAL IDENTIFICATION -----

Product Name Potassium Chloride
Product Code(s) PB0440
Recommended Use For Further Manufacturing Use Only
Not for Human or Animal Drug Use
Synonyms CHLORID DRASELNY (CZECH) * CHLOROPOTASSURIL * DIPOTASSIUM
DICHLORIDE * EMPLETS POTASSIUM CHLORIDE * ENSEAL * KALITABS *
KAOCHLOR * KAON-CL * KAON-CL 10 * KAON-CL TABS * KAY CIEL * K-LOR *
KLOTRIX * K-LYTE/CL * K-PREDNE-DOME * MONOPOTASSIUM CHLORIDE *
PFIKLOR * POTASSIUM MONOCHLORIDE * POTAVESCENT * REKAWAN *
SLOW K * TRIPOTASSIUM TRICHLORIDE *

SECTION 2. ----- HAZARDS IDENTIFICATION -----

GHS – Classification

Classification Skin Irritant 2 Eye Irritant 2
Signal Word Warning



Hazard Statements H315 - Causes skin irritation H319 - Causes serious eye irritation
H335 – May cause respiratory irritation

Precautionary Statements P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF
INHALED: Remove victim to fresh air and keep at rest in a position comfortable for
breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Potassium Chloride	231-211-8	Not available	7447-40-7	95-100	-

SECTION 4. ----- FIRST-AID MEASURES-----

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation Move to fresh air. If breathing becomes difficult, give oxygen
Ingestion Clean mouth with water and afterwards drink plenty of water.
Notes to Physician Treat symptomatically

SECTION 5. ----- FIRE FIGHTING MEASURES-----

Flammable Properties Not flammable
Flash Point Not determined
Suitable Extinguishing Media Dry chemical, CO2, water spray or regular foam
Hazardous Combustion Products Carbon oxides, Hydrogen Chloride gas.
Explosion Data
Sensitivity to Mechanical Impact Not sensitive
Sensitivity to Static Discharge Not sensitive

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation
Methods for Containment Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up Sweep up and place in closed containers for disposal.

SECTION 7. ----- HANDLING AND STORAGE-----

Handling Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust.
Storage Keep container tightly closed in a dry and well-ventilated place. Protect from moisture.
Incompatible Products Strong oxidizing agents. Strong acids.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

Engineering Measures Showers
Eyewash stations
Ventilation systems
Personal Protective Equipment
Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA Approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

Appearance	White
Odor	No information available
Odor Threshold	No information available
Decomposition Temperature °C	No information available
Freezing Point	No information available
Initial Boiling Point	No information available
Physical State	Powder
pH	No data available
Flash Point	Not determined
Autoignition Temperature	No data available
Boiling Point/Range	1500°C
Melting Point/Range	700°C
Flammability Limits in Air	Upper No data available Lower No data available
Explosive Properties	No information available
Oxidizing Properties	No information available
Evaporation Rate	No data available
MMHG @ 37.8 C	No data available
Vapor Density	No data available
Specific Gravity	No data available
Density	1.984
Solubility	Soluble
Water Solubility	28g/100ml
Partition Coefficient (n-octanol/water)	No data available
Viscosity	No information available

SECTION 10. -----STABILITY AND REACTIVITY -----

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents. Strong acids.
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	Carbon oxides. Hydrogen chloride gas.

Hazardous Polymerization

Hazardous polymerization does not occur

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**Acute Toxicity****Product Information**

Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Chloride	2600 mg/kg (Rat)		

Chronic Toxicity**Chronic Toxicity**

No known effect based on information supplied

Target Organ Effects

Heart.

SECTION 12. ----- ECOLOGICAL INFORMATION -----**Ecotoxicity**

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Potassium Chloride	EC50 = 2500 mg/L 72 h	LC50 750 - 1020 mg/L Pimephales promelas 96 h LC50= 1060 mg/L Lepomis macrochirus 96 h		EC50 = 825 mg/L 48 h

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**Waste Disposal Method**

Dispose of material in accordance with all federal, state, and local regulations

Contaminated Packaging

Dispose of in accordance with all federal, state and local regulations

SECTION 14. ----- TRANSPORT INFORMATION -----**IATA**

Not regulated

DOT

Not regulated

SECTION 15. ----- REGULATORY INFORMATION -----**REACH Title VII Restrictions**

No information available.

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
Potassium Chloride	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Component	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Potassium Chloride 7447-40-7 (95-100)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

International Regulations

Mexico – Grade No information available.

Canada

WHMIS Hazard Class

D2B Toxic materials



SECTION 16. ----- OTHER INFORMATION-----

Issuing Date	13-Aug-2009
Revision Date	08-May-2014
Revision Note	No information available.
Recommended Restrictions	No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS