



# Environmental, Safety and Transportation Data Sheet

## POTASSIUM CHLORIDE / KCL

I PRODUCT IDENTIFICATION		
SUPPLIER NL BAROID	TELEPHONE NO 713/987-5900	
ADDRESS PO. BOX 1675 HOUSTON, TEXAS 77251		
TRADE NAME POTASSIUM CHLORIDE		
GENERIC DESCRIPTION POTASH, MURIATE OF POTASH		
II HAZARDOUS INGREDIENTS		
MATERIAL OR COMPONENT		HAZARD DATA
NONE		
III PHYSICAL DATA		
BOILING POINT (°F) NA	MELTING POINT 1454°	FREEZING POINT NA
SPECIFIC GRAVITY (H <sub>2</sub> O = 1) 2.0	VAPOR PRESSURE (mm Hg) NA	
VAPOR DENSITY (AIR = 1) NA	SOLUBILITY IN H <sub>2</sub> O, % BY WT SOLUBLE	
% VOLATILES BY VOL NA	EVAPORATION RATE (BUTYL ACETATE = 1) NA	
APPEARANCE AND ODOR WHITE OR GREY GRANULAR SOLID	Density @ 20°C ND	
pH 10% SOLUTION, 7.3		

POTASSIUM CHLORIDE

HEALTH HAZARD

FLAMMABILITY

REACTIVITY

Ratings based on NIOSH "Identification System for Occupationally Hazardous Materials" (1974)

N A = Not Applicable N D = Not Determined

All information, recommendations, and suggestions herein concerning this product are based upon tests and data believed to be reliable. However, the user is responsible for determining the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by NL Petroleum Services, Inc. as to the effects of such use. The results

to be obtained in the safety and toxicity of the product nor does NL Petroleum Services, Inc. assume any liability arising out of use by others of the product referred to herein. No reliance should be placed on the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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## IV FIRE AND EXPLOSION DATA

KCI IS NOT FLAMMABLE OR EXPLOSIVE, AND DOES NOT SUPPORT COMBUSTION.

## V HEALTH HAZARD INFORMATION

CARCINOGENICITY — NOT ON NTP, IARC OR OSHA LISTS

ACUTE ORAL LD <sub>50</sub>	2500 mg/kg	ACUTE DERMAL LD <sub>50</sub>	ND	AQUATIC TOXICITY (LC <sub>50</sub> )	ND
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### ROUTES OF EXPOSURE AND EFFECTS

EYE CONTACT: SEVERE IRRITATION (500 mg/24H)

SKIN CONTACT: MINOR LOCAL IRRITATION

INHALATION: MINOR IRRITATION

INGESTION: GASTROINTESTINAL IRRITATION, CIRCULATORY PROBLEMS.

NUISANCE DUST TLV = 10 mg/m<sup>3</sup>

### EMERGENCY AND FIRST AID PROCEDURES

FLUSH SKIN WITH SOAP AND WATER. REMOVE ALL CONTAMINATED CLOTHING.

FLUSH EYES WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.

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<b>VI REACTIVITY DATA</b>
CONDITIONS CONTRIBUTING TO INSTABILITY STABLE SALT
INCOMPATIBILITY Brf <sub>3</sub>
HAZARDOUS DECOMPOSITION PRODUCTS NONE
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION NONE
<b>VII SPILL OR LEAK PROCEDURES</b>
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED IN SOLUTION: SMALL SPILL - FLUSH AREA WITH COPIOUS AMOUNTS OF WATER. LARGE SPILL - CONTAIN WITH DIKE TO PREVENT ENTRY INTO FRESH WATER STREAMS. SOLID - SWEEP UP AND PLACE IN CONTAINER FOR DISPOSAL.
NEUTRALIZING CHEMICALS NA
WASTE DISPOSAL METHOD KEEP OUT OF DRINKING WATER SOURCES.  DO NOT DUMP ANY BRINE INTO NATURAL WATERS OR ANY AREA NOT DESIGNATED FOR DISPOSAL. DESIGNATED LAND FILL.
<b>VIII INDUSTRIAL HYGIENE CONTROL MEASURES</b>
VENTILATION REQUIREMENTS GENERAL VENTILATION USE LOCAL EXHAUST VENTILATION WHEN NECESSARY
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY NONE NECESSARY IN NORMAL USE.
EYE GOGGLES
GLOVES RUBBER GLOVES
OTHER CLOTHING AND EQUIPMENT EYEWASH, SHOWER PROTECTIVE CLOTHING, LEATHER SHOES AND GLOVES SHOULD NOT BE WORN WHEN EXPOSED TO HEAVY BRINES BECAUSE THEY ARE DEHYDRATED AND HARDENED.

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## IX SPECIAL PRECAUTIONS

### PRECAUTIONARY STATEMENTS

AVOID SPILLING OR SPLASHING.  
AVOID PROLONGED SKIN OR EYE CONTACT.  
DO NOT WEAR LEATHER ARTICLES. THEY ARE DEHYDRATED AND HARDEN WHEN EXPOSED TO BRINES.

### OTHER HANDLING AND STORAGE REQUIREMENTS

STORE IN SHELTERED AREA OR COVER FOR MOISTURE PROTECTION

### DEPARTMENT OF TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NOT HAZARDOUS

HAZARDOUS SUBSTANCE: NONE

LABEL: NONE REQUIRED

PREPARED BY **NL Barold**  
ENVIRONMENTAL SERVICES

DATE  
JULY, 1987