

PARK CHEMICAL CO -- NO CARB -- 6850-00-664-0355

===== Product Identification =====

Product ID:NO CARB  
MSDS Date:11/03/1997  
FSC:6850  
NIIN:00-664-0355  
MSDS Number: BFKJR  
=== Responsible Party ===  
Company Name:PARK CHEMICAL CO  
Address:8074 MILITARY AVE  
City:DETROIT  
State:MI  
ZIP:48204-3518  
Country:US  
Info Phone Num:313-895-7215  
Emergency Phone Num:313-895-7215  
CAGE:77114

=== Contractor Identification

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Company Name:HEATBATH CORP  
Address:107 FRONT ST  
Box:2978  
City:SPRINGFIELD  
State:MA  
ZIP:01101  
Country:US  
Phone:413-543-3381  
CAGE:27904  
Company Name:PARK CHEMICAL CO  
Address:8074 MILITARY AVE  
Box:City:DETROIT  
State:MI  
ZIP:48204-3518  
Country:US  
Phone:313-895-7215  
CAGE:77114

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM SILICATE/METASILICATE  
CAS:6834-92-0  
RTECS #:VV9275000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICA, CRYSTALLINE - QUARTZ  
CAS:

14808-60-7  
RTECS #:VV7330000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV:0.1 MG/M3 RDUST;9596

Ingred Name:COPPER (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:FELDSPAR  
CAS:68476-25-5  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Other REC Limits:NONE RECOMMENDED  
OSHA P  
EL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:ZIRCONIUM  
CAS:7440-67-7  
RTECS #:ZH7070000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3/10 STEL;9596

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY  
AND GAST

ROINTESTINAL TRACTS. ACUTE- MAY CAUSE EYE, SKIN AND  
RESPIRATORY TRACT IRRITATION. MAY BE CORROSIVE TO EYES AND MUCOUS  
MEMBRANES. HARMFUL/FATAL IF INGESTED. DUST IS HARMFUL IF INHALED.  
CHRONIC- SILICA DUST CAUSES SILICOSIS.

Explanation of Carcinogenicity:CONTAINS CRYSTALLINE SILICA (QUARTZ).  
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, TEARING, PAIN  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS SUCH AS ALLERGIES, ECZEMA MAY BE MORE SUSCEPTI  
BLE TO THE  
EFFECTS OF THIS PRODUCT.

===== First Aid Measures =====

First Aid:GET MEDICAL HELP IF NEEDED. EYES:FLUSH WITH WATER FOR 15  
MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER FOR.  
INHALED:MOVE TO FRESH AIR. ORAL:IF CONSCIOUS, PROVIDE GASTRIC  
LAVAGE. DO NOT INDUC E VOMITING. CALL A PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits:NOT RELEV  
ANT  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS.  
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.  
ABSORB ON SAND, VERMICULITE OR SIMILAR MATERIAL. SWEEP UP AND PLACE  
IN AN APPROPRIATE CONTAI  
NER. HOLD FOR DISPOSAL. WASH CONTAMINATED  
SPILL AREA WITH DETERGE NT AND WATER.  
Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS. DO NOT  
FREEZE.  
Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING  
AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF  
CHILDREN. DO NOT TAKE INTERNALLY. DO NOT GET IN EYES OR ON SKIN.

===== Exposure Controls

/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED RESPIRATOR MUST BE WORN.

Ventilation:GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR NORMAL USE.

Protective Gloves:LATEX FOR REPEATED/PROLONGED CONTACT

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B3

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.91

Solubility in Water:PRECIPITATE

Appearance and Odor:LIGHT BROWN LIQUID

Percent Volatiles by Volume: