

DOW CHEMICAL U S A -- CALCIUM CHLORIDE PELLETS 90 (BULK) -- 6810-00-422-2169

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Product Identification  
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Product ID:CALCIUM CHLORIDE PELLETS 90 (BULK)

MSDS Date:10/19/1992

FSC:6810

NIIN:00-422-2169

MSDS Number: BJQRQ

=== Responsible Party ===

Company Name:DOW CHEMICAL U S A

Address:2020 DOW CENTER BARSTOW BLDG

City:MIDLAND

State:MI

ZIP:48640

Country:US

Info Phone Num:517-636-4400

Emergency

Phone Num:517-636-4400

CAGE:71983

=== Contractor Identification ===

Company Name:CARETAKER PRODUCTS

Address:5501 RUSCHE NW

Box:City:COMSTOCK PARK

State:MI

ZIP:49321

Country:US

Phone:616-784-4875

CAGE:0A9D7

Company Name:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:517-636-4400

CAGE:71983

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Composition/Information on Ingredients  
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Ingred Name:CALCIUM CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Fraction by Wt: 90-92% %

Other REC Limits:NONE SPECIFIE

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Ingred Name:SODIUM CHLORIDE  
CAS:7647-14-5  
RTECS #:VZ4725000  
Fraction by Wt: 1-2% %  
Other REC Limits:NONE SPECIFIED

Ingred Name:POTASSIUM CHLORIDE  
CAS:7447-40-7  
RTECS #:TS8050000  
Fraction by Wt: 2-3%  
Other REC Limits:NONE SPECIFIED

Ingred Name:STRONTIUM CHLORIDE  
CAS:10476-85-4  
RTECS #:WK8400000  
Fraction by Wt: 1%  
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 2-6%  
Other REC Limits:NONE SPECIFIED

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n ===== Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 1000 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES/SKIN:BURNS FROM HEAT OF HYDRATION  
AND CHLORIDE IRRITATION. GRANULES CAN ALSO CAUSE MECHANICAL  
ABRASION. INHALATION:DUST CAN PRODUCE IRRITATION OF THE UPPER  
RESPIRATORY TRACT. INGESTION:MATERIAL IS LOW TOXICITY BUT MAY  
CAUSE SERIOUS BURNS OF THE MUCOUS MEMBRANE  
DUE TO HEAT OF  
HYDROLYSIS.  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:EYE/SKIN/RESPIRATORY TRACT:BURNING, SENSATION  
OF HEAT, IRRITATION IN GENERAL. INGESTION: LARGE AMOUNTS CAN CAUSE  
GASTROINTESTINAL UPSET, VOMITING, AND ABDOMINAL PAIN.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND  
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures  
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First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. SKIN: WIPE EXCESS FROM SKIN AND REMOVE  
CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION: REMOVE  
TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.  
INGESTION: GIVE WATER OR MILK TO DRINK AS SOON AS POSSIBLE AND CALL  
A PHYSICIAN AT ONCE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS  
PERSON.

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Fire Fighting Measures  
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Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:>350F  
Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING  
FIRE.  
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED  
BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES  
OF IGNITION, AND VENTILATE AREA AS REQUIRED. ABSORB SMALL SPILL  
WITH INERT MATERIAL OR DIKE TO RETAIN LARGE SPILL. PLACE WASTE IN  
DOT APPROVED CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT  
IN USE. PROTECT FROM PHYSICAL DAMAGE.  
Other Precautions:MATERIAL IS HYGROSCOPIC - KEEP MATERIAL SEALED AND  
DRY FROM MOISTURE. ALKALINE CONDITIONS MAY RELEASE AMMONIA VAPORS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR  
DUST/VAPORS.  
Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.  
Protective Gloves:RUBBER GLOVES  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Other

Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE  
WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED  
CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

CALCIUM CHLORIDE IS CORROSIVE TO MOST METALS WHEN EXPOSED TO AIR.

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Physical/Chemical Properties  
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HCC:N1

Boiling Pt:B.P. Text:388F,198C

Melt/Free

Melting Pt:M.P/F.P Text:446F,230C

Decomp Temp:Decomp Text:>350F,>177C

Vapor Pres:0.009

Spec Gravity:2.2

Solubility in Water:VERY SOLUBLE

Appearance and Odor:WHITE TO OFF-WHITE SOLID PELLETS, NO ODOR.

Percent Volatiles by Volume:0

Corrosion Rate:CORROSIV

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

CALCIUM CHLORIDE IS CORROSIVE TO MOST METALS.AVOID SULFURIC ACID(FORMS  
HCL),ZINC(FORMS H\*2)

Stability Condition to Avoid:DECOMPOSES AT  
349F

Hazardous Decomposition Products:MANUFACTURER STATES NONE.

Conditions to Avoid Polymerization:AVOID METHYL VINYL ETHER.(RUNAWAY  
POLYMERIZATION).

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Disposal Considerations  
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS.

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