

DOW CHEMICAL U.S.A. -- CALCIUM CHLORIDE PELLETS 90 (BULK) -- 6810-00-082-2644

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

Product ID:CALCIUM CHLORIDE PELLETS 90 (BULK)

MSDS Date:06/18/1990

FSC:6810

NIIN:00-082-2644

MSDS Number: BKKBQ

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-4400

Emergency Phone Num:800-258-2436

CAGE:71954

=== Contractor Identification ===

Company Name:DOW CHEMICAL U.S.A

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Address:2020 DOW CENTER

City:MIDLAND

State:MI

ZIP:48674

Phone:(517) 636-4400

CAGE:71954

Company Name:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:517-636-4400

CAGE:71983

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

Ingred Name:CALCIUM CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Fraction by Wt: 90-92%

Other REC Limits:DOW STATES: 10 MG/M3

Ingred Name:SODIUM CHLORIDE

CAS:7647-14-5

RTECS #:VZ4725000

Fraction by Wt: 1-2%

Other REC Limits:DOW STATES:

10 MG/M3

Ingred Name:POTASSIUM CHLORIDE
CAS:7447-40-7
RTECS #:TS8050000
Fraction by Wt: 2-3%
Other REC Limits:DOW STATES: 10 MG/M3

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: BAL.
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 SKIN:>5000MG/KG(RAB);ORAL 900-2100
Routes of Entry: I
nhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MODERATE TO SEVERE EYE IRRIT
W/CORNEAL INJURY/MAY BE SLOW TO HEAL. EYE/SKIN: WHEN DISSOLVING,
THE HEAT PRODUCED MAY CAUSE MORE INTENSE EFFECTS AS WELL AS THERMAL
BURNS. SKIN: SHORT SINGLE EXPOSUR E NOT LIKELY TO CAUSE SIGNIFICANT
SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN
IRRIT, EVEN BURNS. MAY
Explanation of Carcinogenicity:MG/
KG (RAT)
Effects of Overexposure:CAUSE MORE SEVERE RESPONSE IF SKIN IS DAMP
AND/OR ABRADED, OR IF MAT'L IS CONFINED TO SKIN. SKIN ABSORPTION: A
SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MAT'L
BEING ABSORBED THROUGH SKI N IN HARMFUL AMOUNTS. INGESTION:
GASTROINTESTINAL IRRITATION OR ULCERATION. INHALE: UPPER
RESPIRATORY TRACT IRRITATION.

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

First Aid:EYES: IRRIGATE W/FLOWING WATER IMMEDIATELY &

CONTINUOUSLY-15

MIN. GET MEDICAL AID. SKIN: WASH OFF IN FLOWING WATER OR SHOWER.
INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES WATER & STICKING FINGER DOWN THROAT. CALL PHYSICIAN.
(NEVER GIVE ANYTHING BY MOUTH OR TRY TO INDUCE VOMIT IN UNCONSCIOUS PERSON). INHALE: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT PHYSICIAN.

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

Flash Point:NA

Extinguishing Media:NON-COMBUSTIBLE.

F

Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:NOT HARMFUL W/NORMAL USE. WEAR APPROP SAFETY APPAREL DURING CLEAN-UP. AVOID ENTRY OF LG AMT OF PRODUCT INTO WATER SOURCES. AVOID CONTACT W/VEGETATION, ANIMALS & FISH LIFE. RECOVER QUICKLY INTO SUITABLE, DRY, SEALABLE CONTAINERS IF REUSING.

Neutralizing Agent:N/K THO

ROUGHLY WATER WASH WALKING SURFACES.

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

Handling and Storage Precautions:AVOID EYE AND PROLONGED SKIN CONTACT. ALWAYS USE COOL WATER (TEMP. LESS THAN 80 F, 27 C) WHEN DISSOLVING CALCIUM CHLORIDE.

Other Precautions:HEAT DEVELOPED BY SOLUTIONS IS VERY HIGH DURING DISSOLVING AND MIXING. WHEN EXPOSED TO THE ATMOSPHERE, CALCIUM CHLORIDE WILL PICK UP WATER AND FORM A SOLUTION. LEATHER CLOTHING AND SHOES WILL BE DAMAGED BY CALCIUM CHLORIDE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINE. WHEN RESPIRATORY PROTECTION IS REQUIRED FOR CERTAIN OPERATIONS, USE AN APPROVED AIR-PURIFYING RESPIRATOR. IN DUSTY ATMOSPHERES, USE AN APPROVED DUST RESPIRATOR.

Ventilation:PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

Protective Glo

ves:MAY NEED GLOVES DEPENDING ON OPERATION.
Eye Protection:SAFETY GLASSES, CHEMICAL GOGGLES.
Other Protective Equipment:BOOTS, APRON OR FULL-BODY SUIT WILL DEPEND
ON OPERATION. EYE WASH FOUNTAIN SHOULD BE LOCATED IN IMMEDIATE WORK
AREA.
Supplemental Safety and Health
IF SKIN COMES IN CONTACT W/CONTAMINATED CLOTHING, REMOVE CLOTHING
IMMEDIATELY, WASH SKIN AREA W/SOAP & WATER AND LAUNDER CLOTHING
BEFORE REUSE.

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

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CC:N1
Boiling Pt:B.P. Text:388F,198C
Melt/Freeze Pt:M.P/F.P Text:446F,230C
Decomp Temp:Decomp Text:>350F,>177C
Vapor Pres:0.009 MMHG
Spec Gravity:2.2
Evaporation Rate & Reference:DEHYDRATING PT
Solubility in Water:VERY SOLUBLE
Appearance and Odor:WHITE TO OFF-WHITE, SOLID-PELLETS; ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
MOST METALS, SULFURIC ACID, WATER REACTIVE MATERIALS, METHYL VINYL
ETHER, ZINC.

===== Disposal Considerations =====

Waste Disposal Methods:SMALL QUANTITIES MAY BE FLUSHED AWAY W/PLENTY OF
WATER. COMPLY W/LOCAL, STATE & FEDERAL REGULATIONS, LAWS &
PROCEDURES. CONTACT MFR & AUTHORITIES FOR DETAILED INFORMATION.
PRODUCT AS SOLD IS NOT A RCR A LISTED OR CHARACTERISTIC HAZARDOUS
WASTE.

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