

DOW CHEMICAL USA -- 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: BPTVM

=== Responsible Party ===

Company Name:DOW CHEMICAL USA

Address:SOUTH SAGINAW ROAD

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-4400

Emergency Phone Num:517

-636-4400

CAGE:EO044

=== Contractor Identification ===

Company Name:DOW CHEMICAL USA

Address:2020 DOW CENTER

City:MIDLAND

State:MI

ZIP:48640-6030

Country:US

CAGE:EO044

Company Name:DOW CORNING CORP

Address:2200 W SALZBURG RD

Box:City:AUBURN

State:MI

ZIP:48611

Country:US

Phone:517-496-4388

CAGE:71984

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

Ingred Name:CALCIUM CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Fraction by Wt: 90-92%

Other REC Limits:DOW 1HG: 10 MG/M3

Ingred

Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 1-2%
Other REC Limits:DOW 1HG: 10 MG/M3

Ingred Name:POTASSIUM CHLORIDE
CAS:7447-40-7
RTECS #:TS8050000
Fraction by Wt: 2-3%
Other REC Limits:DOW 1HG: 10 MG/M3

Ingred Name:STRONTIUM CHLORIDE
CAS:10476-85-4
RTECS #:WK8400000
Fraction by Wt: 1%
Other REC Limits:DOW 1 HG: 10 MG/M3

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

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

LD50 LC50 Mixture:ABSORB LD50 (RABBIT) >5000 MG/M3; ORAL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MODERATE-SEVERE IRRITATE/CORNEAL
INJURY-SLOW TO HEAL. DISOLVING; THERMAL BURNS. SKIN: PROLONG/REPEAT
EXPOSE; IRRITATE/BURN. DAMP/ABRADED/CONFINED TO SKIN; SEVERE
RESPONSE. DISOLVING; MORE INTENSE EFFECTS/THERMAL BURNS. INGEST:
GASTROINTESTINAL IRRITATE/ U
LCERATION. INHALE DUST: UPPER
RESPIRATORY TRACT IRRITATE.
Explanation of Carcinogenicity:N/K LD50 (RAT); 900-2100 MG/M3

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

First Aid:EYE: IRRIGATE W/WATER IMMED/CONTIN 15 MIN. GET MED AID. SKIN:
WASH OFF W/FLOW WATER/SHOWER. INGEST: INDUCE VOMIT IMMED-2 GLASSES
WATER/FINGER DOWN THROAT. CALL DR. NEVER GIVE ANYTHING BY
MOUTH/ATTEMPT TO INDUCE VOMIT IN UNCONSCIOUS PERSON.INHALE:
MOVE-FRESH AIR. CONSULT DR. NOT

E TO PHYSICIAN: BURN; TREAT AS
THERMAL BURN AFTER DECOMTAM. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE.
TREATMENT BASED ON

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

Extinguishing Media:NON-COMBUSTIBLE
Fire Fighting Procedures:NONE
Unusual Fire/Explosion Hazard:WEAR POSITIVE PRESSURE SELF-CONTAINED
BREATHING APPARATUS

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

Spill Release Procedures:APPROP SAFETY APPAREL DURING CLEAN-UP. AVOID
E
NTRY INTO SEWERS/NATURAL WATERS/DRINKING WATER SOURCES. AVOID
CONTACT W/ VEGETATION/ANIMALS/FISH LIFE. RECOVER QUICKLY INTO
SUITABLE/DRY/SEALABLE CONTAINERS IF REUSING. SMALL QUANT MAY BE
FLUSHED W/WATER.

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

Handling and Storage Precautions:AVOID EYE/SKIN CONTACT.USE COOL
WATER,LESS THAN 80F WHEN DISSOLVING CALCIUM CHLORIDE.HEAT DEVELOPED
BY SOLUTIONS IS HIGH DURING DISSOLVING/MIXING.
Other Precautions:JUDGEMENT OF DR IN RESPONSE TO REACTIONS OF PATIENT.
WHEN EXPOSED TO ATMOSPHERE, CALCIUM CHLORIDE WILL PICK UP
WATER/FORM SOLUTION. LEATHER CLOTHING/SHOES DAMAGED.

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

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

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

Protective Gloves:PROTECTIVE GLOVES

Eye Protection:SAFETY GLASSES/CHEMICAL GOGGLES

Other Protective Equipment:CLEAN IMPERVIOUS BODY-COVERING
CLOTHING/BOOTS/ APRON. EYE WASH FOUNTAIN LOCATED IN IMMEDIATE WORK
AREA.

Work Hygienic Practices:IF SKIN COMES IN CONTACT W/CONTAMINATED
CLOTHING/ REMOVE IMMED/WASH SKIN W/SOAP/WATER/LAUNDRER CLOTHING
BEFORE REUSE.

Supplemen

tal Safety and Health

& WALKING SURFACES MAY REMAIN WET LONGER DUE TO MOISTURE BEING HELD BY SPILLED PRODUCT--AVOID BY THOROUGHLY WATER WASHING SURFACES.

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

HCC:N1

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

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

Vapor Pres:.009 @ 20C

Spec Gravity:2.2

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

CALCIUM CHLORIDE: CORRODE MOST AIR EXPOSED METALS/ ATTACK ALUMINUM (& ALLOYS)/YELLOW BRASS/REACT W/SULFURIC ACID TO FORM

Stability Condition to Avoid:DECOMPOSES >350F

Hazardous Decomposition Products:N/KHYDROGEN CHLORIDE-CORRODE/IRRITATE/ REACT/GIVE EXOTHERMIC REACTION W/WATER-REACTIVE MATERIALS-SODIUM/RESULT IN RUN-

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

Waste Disposal Methods:COMPLY W/LOCAL, STATE AND FEDERAL LAWS/

REGULATIONS/PROCEDURES. CONTACT MFR/AUTHORITIES FOR DETAILED INFORMATION. PRODUCT AS SOLD IS NOT A RCRA LISTED/CHARACTERISTIC HAZARDOUS WASTE.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.