

DOW CHEMICAL INC -- CALCIUM CHLORIDE FLAKE-77-80 % -- 6810-01-220-9194

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Product Identification
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Product ID:CALCIUM CHLORIDE FLAKE-77-80 %

MSDS Date:08/18/1995

FSC:6810

NIIN:01-220-9194

MSDS Number: CCKCZ

=== Responsible Party ===

Company Name:DOW CHEMICAL INC

City:LUDINGTON

State:MI

Country:US

Info Phone Num:800-844-2022

Emergency Phone Num:800-844-2022

Preparer's Name:ANDI HASKETT

CAGE

:9E932

=== Contractor Identification ===

Company Name:DOW CHEMICAL INC

Box:City:LUDINGTON

State:MI

Country:US

Phone:800-844-2022

CAGE:9E932

Company Name:SCOTWOOD INDUSTRIES, INC

Address:12980 METCALF AVE SUITE 240

Box:City:OVERLAND PARK

State:KS

ZIP:66213

Country:US

Phone:913-851-3500

CAGE:0VSE0

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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: 100%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:**

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE GI IRRIT/ULCERATION.

INHALATION: VAPORS UNLIKELY DUE TO PHYSICAL PROPERTIES. DUST/MIST
MAY CAUSE IRRIT TO UPPER RESP TRACT. SYSTEMIC/OTHER EFFECTS RESULTS
IN INVITRO MUTOGENICITY TEST NEGATI VE FOR CALCIUM CHLORIDE.

***BELIEVED TOBE LOW.

Effects of Overex

posure:EYES: MAY CAUSE MODERATE TO SEVERE IRRITATION

W/CORNEAL INJURY. SKIN: ACUTE UNLIKELY TO CAUSE SIGNIFICANT SKIN
IRRIT. CHRONIC MAY CAUSE SKIN IRRIT. BURN: MAY CAUSE MORE SEVERE
RESPONSE IN CONFINED/ABR ADED SKIN. ABSORPTION: ACUTE, NOT LIKELY
TO RESULT IN HARMFUL AMOUNTS. INGESTION: SINGLE DOSE ORAL
TOXICITY***

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First Aid Measures
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First Aid:EYES:IRRIG W/FLOWING WATER IMMEDIATELY FOR 15 MIN, CALL
DOCTOR. SKIN:WASH IN

FREE FLOWING WATER, SHOWER FOR 15 MIN. CALL

DOCTOR. INGESTION:IF SWALLOWED INDUCE VOMITING IMMEDIATELY. CALL
DOCTOR. NEVER GIVE ANYTHING BY MOUTH OR ATTEMPT TO INDUCE VOMITING
IN AN UNCONSCIOUS PERSON. IF BURN TREAT AS THERMAL BURN AFTER
DECONTAMINATION NO SPEC ANTEDOTE. TREATMENT BASED ON REACTION OF
PATIENT.

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Fire Fighting Measures
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Flash Point:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:USE EXTINGUISHING MEDIA APPR
OPRIATE FOR SURROUNDING
FIRE.

Fire Fighting Procedures:FIREFIGHTERS WEAR PROTECTIVE EQUIPMENT AND
SCBA W/FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:TOXIC GASES PRODUCED HYDROGEN CHLORIDE.

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Accidental Release Measures
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Spill Release Procedures:REMOVE SPILLED MATL W/SHOVEL & DISPOSE IN
PROPER MANNER. CALCIUM CHLORIDE CAN CORRODE STEEL CONTAINERS. FLUSH
AREA W/WATER. WALKING SURFACES MAY REMAIN WET LONGER

DUE TO
MOISTURE FROM SPILLED MATL.

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Handling and Storage
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Handling and Storage Precautions:INDIVIDUALS HANDLING THIS PRODUCT
SHOULD BE INFORMED OF RECOMMENDED SAFETY PRECAUTIONS.

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Exposure Controls/Personal Protection
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Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. USE APPROPRIATE RESPIRATOR OR DUST MASK IF
AIRBORNE CONCENTRATION IS HIGH.

Ventilation:USE ADEQUATE, GENERAL OR LOCAL EXHAUST VENTILATION.

Protective Gloves:IMPERVIOUS.

Eye Protection:GLASSES W/SIDE SHIELDS, CHEM GOGGLES.

Other Protective Equipment:EYE WASH FOUNTAINS LOCATED IN IMMEDIATE WORK
AREA. NO PRECAUTIONS OTHER THAN CLEAN BODY CLOTHING NEEDED.

Work Hygienic Practices:USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS
MATL. BOOTS/APRON/FULL BODY SUIT DEPENDS ON OPERATIONS.

Supplemental Safety and Health

**LD50 SKIN ABSORPTION RABBITS 5000 MG/KG CALCIUM CHLORIDE. ORAL LD50
CALCIUM CHLORIDE
RATS 967 MG/KG.

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Physical/Chemical Properties
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Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:349F,176C

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:.84

Evaporation Rate & Reference:NA

Solubility in Water:COMPLETE

Appearance and Odor:ODORLESS, SMALL WHITE FLAKES.

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

METALS SLOWLY CORODE IN AQUEOUS SOLUTION. ALUMINUM/ALLOYS/YELLOW BRASS

SUBJECT TO CORROSION. ALKALINE COMPOUNDS MAY*
Stability Condition to Avoid:WILL ABSORB WATER WHEN EXPOSED TO
ATMOSPHERE. *RELEASE AMONIA VAPORS.
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/ALL APPLICABLE FEDERAL,
STATE LOCAL ENVIRONMENTAL REGULATIONS. KEEP OUT OF DRINKING WATER
SOURCES.

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