

STANDARD TAR PRODUCTS -- CALCIUM CHLORIDE FLAKE
MATERIAL SAFETY DATA SHEET
NSN: 681000F039180
Manufacturer's CAGE: 1JN25
Part No. Indicator: A
Part Number/Trade Name: CALCIUM CHLORIDE FLAKE

=====
General Information
=====

Company's Name: STANDARD TAR PRODUCTS CO INC
Company's Street: 2456 W CORNELL ST
Company's City: MILWAUKEE
Company's State: WI
Company's Country: US
Company's Zip Code: 53209-6294
Company's Emerg Ph #: 414-873-7650
Company's Info Ph #: 414-873-7650
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01JUN93
Safety Data Review Date: 03APR95
Preparer's Company: STANDARD TAR PRODUCTS CO INC
Preparer's St Or P. O. Box: 2456 W CORNELL ST
Preparer's City: MILWAUKEE
Preparer's State: WI
Preparer's Zip Code: 53209-6294
MSDS Serial Number: BWWLS

=====
Ingredients/Identity Information
=====

Proprietary: NO
Ingredient: CALCIUM CHLORIDE
Ingredient Sequence Number: 01
Percent: 77-80
NIOSH (RTECS) Number: EV9800000
CAS Number: 10043-52-4

Proprietary: NO
Ingredient: SODIUM CHLORIDE
Ingredient Sequence Number: 02
Percent: 1-2
NIOSH (RTECS) Number: VZ4725000
CAS Number: 7647-14-5

Proprietary: NO
Ingredient: POTASSIUM CHLORIDE
Ingredient Sequence Number: 03
Percent: 2-3
NIOSH (RTECS) Number: TS8050000
CAS Number: 7447-40-7

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 04
Percent: 15-20
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5

=====
Physical/Chemical Characteristics
=====

Appearance And Odor: WHITE TO OFF-WHITE SOLID FLAKE W/NO ODOR
Boiling Point: 347F
Melting Point: 345F
Vapor Pressure (MM Hg/70 F): 1

Specific Gravity: 1.85
Solubility In Water: COMPLETE

=====
Fire and Explosion Hazard Data
=====

Flash Point: NON COMBUSTIBLE
Special Fire Fighting Proc: WEAR POSITIVE PRESSURE SELF CONTAINED
BREATHING APPARATUS.

=====
Reactivity Data
=====

Stability: YES
Cond To Avoid (Stability): AIR
Materials To Avoid: CALCIUM CHLORIDE/ALUMINUM/YELLOW BRASS/SULFURIC ACID/
HYDROGEN CHLORIDE/SODIUM/ZINC/HYDROGEN GAS
Hazardous Poly Occur: NO

=====
Health Hazard Data
=====

Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYES: SEVERE IRRITATION, CORNEAL INJURY,
THERMAL BURNS. SKIN: IRRITATION, THERMAL BURNS. INGESTION: GI IRRITATION,
ULCERATION. INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION, BURNS, ULCERATION
Emergency/First Aid Proc: EYES: IRRIGATE W/FLOWING WATER IMMEDIATELY FOR
15 MINS. SKIN: WASH OFF IN FLOWING WATER/SHOWER. INGESTION: IF SWALLOWED,
INDUCE VOMITING IMMEDIATELY BY GIVING 2 GLASSES OF WATER & STICKING FINGER
DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH/ATTEMPT TO INDUCE VOMITING IN AN
UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL
ATTENTION IN ALL CASES. (SEE SUPP)

=====
Precautions for Safe Handling and Use
=====

Steps If Matl Released/Spill: LARGE: AVOID ENTRY INTO SEWERS/NATURAL
WATERS/DRINKING WATER SOURCES. RECOVER QUICKLY INTO SUITABLE/DRY/SEALABLE
CONTAINERS IF REUSING. SMALL: FLUSH AWAY W/PLENTY OF WATER. WALKING
SURFACES REMAIN WET LONGER DUE TO MOISTURE BEING HELD BY PRODUCT.
Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.
Precautions-Handling/Storing: ALWAYS USE COOL WATER (TEMP <80F) WHEN
DISSOLVING CALCIUM CHLORIDE. HEAT DEVELOPED BY SOLUTION IS VERY HIGH DURING
DISSOLVING & MIXING.
Other Precautions: WHEN EXPOSED TO ATMOSPHERE, CALCIUM CHLORIDE WILL PICK
UP WATER & FORM A SOLUTION. DUE TO POSSIBLE HARMFUL EFFECTS, AVOID CONTACT
W/VEGETATION/ANIMALS/FISH LIFE. AVOID EYE & PROLONGED SKIN CONTACT.

=====
Control Measures
=====

Respiratory Protection: USE AN APPROVED AIR-PURIFYING RESPIRATOR. IN DUSTY
ATMOSPHERE USE AN APPROVED DUST RESPIRATOR.
Ventilation: GENERAL, LOCAL EXHAUST VENTILATION
Protective Gloves: IMPERVIOUS
Eye Protection: SAFETY GLASSES, CHEMICAL GOGGLES
Other Protective Equipment: BODY COVERING CLOTHING, BOOTS, APRONS, FULL
BODY SUIT, EYE WASH FOUNTAIN.
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE. WASH THOROUGHLY AFTER HANDLING.
Suppl. Safety & Health Data: NOTE TO PHYSICIAN: IF BURN IS PRESENT, TREAT
AS ANY THERMAL BURN, AFTER DECONTAMINATION. NO SPECIFIC ANTIDOTE.
SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE

TO REACTION OF THE PATIENT. MATERIALS TO AVOID: WATER REACTIVE MATERIALS.

=====
Transportation Data
=====

=====
Disposal Data
=====

=====
Label Data
=====

Label Required: YES

Label Status: G

Common Name: CALCIUM CHLORIDE FLAKE

Special Hazard Precautions: EYES: SEVERE IRRITATION, CORNEAL INJURY,
THERMAL BURNS. SKIN: IRRITATION, THERMAL BURNS. INGESTION: GI IRRITATION,
ULCERATION. INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT. IRRITATION,
BURNS, ULCERATION

Label Name: STANDARD TAR PRODUCTS CO INC

Label Street: 2456 W CORNELL ST

Label City: MILWAUKEE

Label State: WI

Label Zip Code: 53209-6294

Label Country: US

Label Emergency Number: 414-873-7650