

CITY CHEMICAL CORP -- STABILIZED STARCH -- 6810-00-985-7087

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

Product ID:STABILIZED STARCH

MSDS Date:01/07/1991

FSC:6810

NIIN:00-985-7087

MSDS Number: BNMPD

=== Responsible Party ===

Company Name:CITY CHEMICAL CORP

Address:132 WEST 22ND ST

City:NEW YORK

State:NY

ZIP:10011

Country:US

Info Phone Num:212-929-2723

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's

Name:PETER WOLPERT

CAGE:83628

=== Contractor Identification ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

CAGE:83628

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

Ingred Name:THYODENE; (STABILIZED STARCH, POWDER)

CAS:40-19-2

Fraction by Wt: 100%

OSHA PEL:15MG/M3 TDUST;5RDUST

ACGIH TLV:10 MG/M3

Ingred Name:OTHER PROT EQUIP: FOUNTAIN WITHIN THE IMMEDIATE WORK AREA
FOR

EMERGENCY USE.
RTECS #:9999999ZZ

Ingred Name:PH: 2% SOLN: 4.5-6.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES:NO DATA AVAILABLE. MAY
CAUSE IRRIT. SKIN:MAY CAUSE IRRIT. INHAL:NO DATA AVAILABLE. MAY BE
IRRITATING TO MUC MEMB. MAY CAUSE ALLERGIC
RESP REACTION. INGEST:LG
DOSES MAY CAUSE GI DISTURBANCE S DUE TO INABILITY OF DIGESTIVE SYS
TO PROCESS LG AMTS OF CARBOHYDRATES. (EFTS OF OVEREXPOS)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ: CHRONIC: EYES: NO DATA AVAILABLE.
SKIN: REPEATED OR PROLONGED EXPOSURE MAY CAUSE DERMATITIS. INHAL:
NO DATA AVAILABLE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:WASH EYES IMMED W/LG AMTS OF WATER OCCASIONALLY LIFTING
UPPER & LOWER LIDS UNTIL NO EVIDENCE OF CHEM REMAINS. GET MD ATTN.
SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED WASH AFTD AREA W/SOAP/ MILD
DETER GENT & LG AMTS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS.
GET MD ATTN. INHAL:REMOVE FROM EXPOS TO FRESH AIR IMMED. IF BRTHG
HAS STOPPED GIVE ARTF RESP PEF MOUTH-TO-MOUTH. (SUPP DATA)

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

Extinguishi
ng Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE AND NEGLIGIBLE EXPLOSION
HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME. AVOID BREATHING
VAPORS OR DUST.

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

Spill Release Procedures:1)VENT AREA OF SPILL. 2)CLEAN-UP PERS SHOULD
WEAR NIOSH/MSHA APPRVD RESPIRATOR, CHEM SAF

ETY GOG, RUB BOOTS &

HEAVY RUB GLOVES. 3)AVOID RAISING DUST. 4)SWEEP UP & COLLECT IN A SUITABLE D.O.T. APPRVD SE AL WASTE CNTNR & HOLD FOR EVENTUAL (SUPP DATA)

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WASH THO ROUGHLY AFTER HANDLING. AVOID REPEATED OR PROLONGED CONTACT WITH THIS SUBSTANCE.

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

Respiratory Protection:EXPOS LIMS TO 100 MG/M3 (TOTAL DUST)-NIOSH/MSHA APPRVD DUST MASK EXCEPT SINGLE USE & QUARTER MASK TYPE. 1000 MG/M3 (TOTAL DUST)-NIOSH/MSHA APPRVD GAS MASK W/HIGH-EFFICIENCY FILTER. HIGH EFFICIENCY PAR TICULATE NIOSH/MSHA APPROVED (SUPP DATA)

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION AND/OR GENERAL DILUTIO N

VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:RUBBER GLOVES SHOULD BE WORN.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:WHEN THERE IS ANY POSS THAT EMPLOYEES' EYES MAY BE EXPOS TO SUBSTANCE EMPLOYER SHALL PROVIDE EYEWASH (ING 2)

Work Hygienic Practices:DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

Supplemental Safety and Health

FIRST AID PROC:IF CONSCIOUS IMMED GIVE 2-4 GLASSES OF WATER & INDUCE VOMIT BY TOUCHING FINGER TO B

ACK OF THROAT. GET MD ATTN IMMED.

SPILL PROC:WASTE DISP. 5)WASH SPILL SITE AFTER MATL PICK-UP IS COMPL ETE. RESP PROT:RESPIRATOR W/FULL FACEPIECE.10,000 MG/M3 (TOTAL DUST)-NIOSH/MSHA APPRVD SUPPLIED AIR RESPIRATOR.

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

HCC:C3

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

pH:ING 3

Solubility in Water:SOLUBLE

Appearance and Odor:WHITE POWDER OR GRANULES; NO ODOR.

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

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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: NO INFORMATION FOUND.

Hazardous Decomposition Products: WHEN HEATED TO DECOMPOSITION, IT EMITS TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE.

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

Waste Disposal Methods: KEEP OUT OF SEWERS, WATERWAYS OR OTHER WATER SOURCES. BURN WASTE MATERIAL IN A SUITABLE EQUIPPED CHEMICAL INCINERATOR. DISPOSE I/A/W LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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