

CASCHEM INC -- COTIN 200 -- 6850-00-910-8667

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

Product ID:COTIN 200
MSDS Date:03/31/1998
FSC:6850
NIIN:00-910-8667
Status Code:A
MSDS Number: CJQYW
=== Responsible Party ===
Company Name:CASCHEM INC
Address:40 AVE A
City:BAYONNE
State:NJ
ZIP:07002-5265
Country:US
Info Phone Num:201-858-7900
Emergency Phone Num:800-227-2436
Chemtrec Ind/Phone:(800)424-9300
CAGE:1Y1
52

==== Contractor Identification ===

Company Name:CASCHEM INC
Address:40 AVE A
Box:City:BAYONNE
State:NJ
ZIP:07002-5265
Country:US
Phone:201-858-7900
CAGE:1Y152
Company Name:THE SMITH GROUP INC.
Address:811 E. CAYUGA STREET
Box:City:PHILADELPHIA
State:PA
ZIP:19124-3893
Country:US
Phone:215-743-8200
Contract Num:SP0450-99-M-NE29
CAGE:2B613

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

Ingred Name:DIBUTYLTIN DILAUATE
CAS:77-58-7
RTECS #:WH7000000
= Wt:100.

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

LD50 LC50 Mixture:ORAL LD50, RAT; 175 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:TARGET ORGANS/LONG TERM HEALTH

EFFECTS: HAS CAUSED DEVELOPMENTAL EFFECTS IN ANIMAL FEEDING

STUDIES. BREATHING: INHALATION OF MISTS OR VAPORS MAY IRRITATE THE

UPPER RESPIRATORY TRACT. SKIN CONTACT: CAN CAUSE SKIN IRRITATION.

MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. EYE CONTACT: CAN

CAUSE EYE IRRITATION. SWALLOWING. TOXIC BY INGESTION. MAY RELEASE

TOXIC TIN VAPORS IF INVOLVED IN A FIRE.

Effects of Overexposure:OVER EXPOSURE MAY CAUSE COUGHING, HEADACHE, AND NAUSEA. ONSET OF SYMPTOMS MAY BE DELAYED FOR SEVERAL HOURS.

BREATHING: IRRITATION OF UPPER RESPIRATORY TRACT. SKIN CONTACT: MAY

BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. EYE CONTACT: CAN

CAUSE EYE IRRITATION. INGESTION: TOXIC BY INGESTION. MAY RELEASE

TOXIC TIN VAPORS IF INVOLVED IN A FIRE

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Medical Condition Aggravated by Exposure:NOT KNOWN

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

First Aid:BREATHING: REMOVE TO FRESH AIR. IF NOT BREATHING,

GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SEEK MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH LARGE AMOUNTS

OF SOAP & WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED

CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. THOROUGHLY WASH

OR DISCARD CLOTHES AND SHOES BEFORE REUSE. EYE: IMMEDIATELY FLUSH

EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, HOLDING EYELIDS

APART. GET MEDICAL ATTENTION. SWALLOWING: GET MEDICAL ATTENTION.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:TCC

Flash Point:=-232.2C, 450.F

Extinguishing Media:CO2, DRY CHEMICAL, ALCOHOL FOAM. MATERIAL MAY BURN, BUT DOES NOT IGNITE READILY. AVOID HIGH TEMPERATURES.

Fire Fighting Procedure

dures:EVACUATE AREA AND FIGHT FIRE FROM SAFE DISTANCE. WEAR PRESSURE-DEMAND SELF-CONTAINED BREATHING APPARATUS (MSHA/NIOSH-APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. Unusual Fire/Explosion Hazard:CAN BURN IN FIRE RELEASING TOXIC VAPORS. AS IN ANY FIRE, WEAR PRESSURE-DEMAND SELF-CONTAINED BREATHING APPARATUS (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.SENSITIVITY TO EXPLOSION: NONE EXPECTED BY MECHANICAL IMPACT OR STATIC DISCHARGE.

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=== Accidental Release Measures =====

Spill Release Procedures:MINIMIZE ENTRY OF MATERIAL INTO SEWERS AND DRAINAGE SYSTEM.SMALL SPILL: ABSORB SPILL WITH INERT MATERIAL, THEN PLACE IN A CHEMICAL WASTE CONTAINER. LARGE SPILL: SHUT OFF LEAK. CLEAN UP A SPILL IMMEDIATELY , OBSERVING PRECAUTIONS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. RETAIN ALL CONTAMINATED WATER FOR REMOVAL AND TREATMENT.

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

Handling and Storage Precautions:HANDLING: USE WITH ADEQUATE VENTILATION.WASH THOROUGHLY AFTER HANDLING. WASH CLOTHES BEFORE REUSE. CONTAINERS MAY RETAIN PRODUCT RESIDUES, AVOID CONTACT WITH SKIN EYES BREATHING VAPOR OR MIST.STORAGE: STORE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER TIGHTLY SEALED AWAY FROM HUMIDITY AND HEAT.

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

Respiratory Protection:USE A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR AS NEEDED TO CONTROL EXPOSURE. CONSULT WITH RESPIRATOR MANUFACTURER TO DETERMINE RESPIRATOR SELECTION, USE, AND LIMITATIONS. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR FOR UNCONTROLLED RELEASES OR WHEN AIR PURIFYING RESPIRATOR LIMITATIONS MAY BE EXCEEDED.PROTECTION PROGRAM (SEE BELOW *)

Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL SOURCES OF DUST, MIST OR VAPOR.

Eye Protection:USE SAFETY GLASSES. WHERE CONTACT WITH

H THE EYES IS

LIKELY USE CHEMICAL GOGGLES.

Other Protective Equipment:WEAR CHEMICAL PROTECTIVE CLOTHING, INCLUDING IMPERVIOUS SLEEVELETS, OVERALLS, APRONS OR BOOTS AS NEEDED TO PREVENT CONTACT WITH SKIN.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health

* FOLLOW RESPIRATOR PROTECTION PROGRAM REQUIREMENTS (OSHA 1910.134 AND ANSI 288.2) FOR ALL RESPIRATOR USE.

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Physical
/Chemical Properties =====

HCC:T4

Melt/Freeze Pt:=-7.8C, 18.F

Vapor Density:15.4

Spec Gravity:1.05 @77F

Viscosity:GARDNER A-1

Evaporation Rate & Reference:>1RELATIVE TO N-BUTYLACET

Solubility in Water:INSOLUBLE

Appearance and Odor:YELLOW LIQUID, MILD ODOR

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS.

Stability Condition to Avoid:AVOID CONTACT WITH OXIDIZERS. DUE TO

HYDROLYSIS, AVOID WATER AND HUMIDITY.

Hazardous Decomposition Products:THIS MATERIAL MAY RELEASE TIN FUMES, IF BURNED OR HEATED TO DECOMPOSITION.

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Toxicological Information =====

Toxicological Information:DIBUTYLNE DILAURATE (CAS # 77-58-7); ORAL LD50, RAT; 175 MG/KG. SKIN IRRITATION, RABBIT; 500MG/24-HOURS-MILDLY IRRITATING. EYE IRRITATION, RABBIT; 100MG/24-HOURS-MODERATELY IRRITATING. DEVELOPMENTAL EFFECTS, RAT; 50MG/KG *8D PREG)

===== Ecological Information =====

Ecological:NOT AVIALBLE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL,
STATE, AND LOCAL REGULATIONS

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