

CRYOTECH DEICING TECHNOLOGY -- CRYOTECH NAAC DEICER -- 6850-01-435-6474

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

Product ID:CRYOTECH NAAC DEICER
MSDS Date:05/01/1998
FSC:6850
NIIN:01-435-6474
Status Code:A
MSDS Number: CKNXH
=== Responsible Party ===
Company Name:CRYOTECH DEICING TECHNOLOGY
Address:6103 ORTHOWAY
City:FT MADISON
State:IA
ZIP:52627
Country:US
Info Phone Num:319-372-6012 (ALSO FOR INFO
)
Emergency Phone Num:EMER(24HR)1-800-346-7237
Resp. Party Other MSDS Num.:MSDS #171
Chemtec Ind/Phone:(800)424-9300
CAGE:0S095
=== Contractor Identification ===
Company Name:CRYOTECH DEICING TECHNOLOGY
Address:6103 ORTHOWAY
Box:City:FT MADISON
State:IA
ZIP:52627
Country:US
Phone:319-372-6012 (ALSO FOR INFO)
Contract Num:SP0450-00-M-SD63
CAGE:0S095

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

Ingred Name:SODIUM ACETATE
CAS:127-09-3
RTECS #:AJ4300010

=====

==== Hazards Identification =====

LD50 LC50 Mixture:ORAL-RATS LC50 = 3530 MG/KG

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

Health Hazards Acute and Chronic:EYES: MAY CAUSE EYE IRRITATION. SKIN: MAY CAUSE SKIN IRRITATION. INHALATION: SUBSTANCE IS CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORGANS. DUST, IN HIGH CONCENTRATION, MAY CAUSE IRRITATION OF EY ES, NOSE & THROAT. INGESTION: SUBSTANCE IS CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORG

ANS. INGESTION MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT WHICH MAY RESULT IN IRRITATION.

Explanation of Carcinogenicity:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Effects of Overexposure:EYES: MAY CAUSE EYE IRRITATION. SKIN: MAY CAUSE SKIN IRRITATION. INHALATION: SUBSTANCE IS CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORGANS. DUST, IN HIGH CONCENTRATION, MAY CAUSE IRRITATION OF EY ES, NOSE & THROAT. INGESTION: SUBSTANCE IS CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL OR

GANS. INGESTION MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT WHICH MAY RESULT IN IRRITATION.EYES & SKIN: IRRITA TION. INHALATION: IRRITATION OF THE EYES, NOSE & THROAT. INGESTION: NAUSEA, VOMITING & DIARRHEA.

Medical Cond Aggravated by Exposure:PRODUCT IS FOR EXTERNAL USE ONLY. INGESTION SHOULD NOT BE TOXIC BUT COULD RESULT IN IRRITATION OF DIGESTIVE SYSTEM.

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

First Aid:EYES: FLUSH EYES IMMEDIATELY WITH FRES H WATER FOR AT LEAST 15

MINUTES. WHILE HOLDING THE EYELIDS OPEN. REMOVE CONTACT LENSES IF WORN. IF IRRITATION PERSISTS, SEE A DOCTOR. SKIN: IMMEDIATELY WASH WITH SOAP & WATER FOR AT LEAST 15 MINUTES. INHALATION: IF A PERSON BREATHES IN LARGE AMOUNTS, MOVE THE EXPOSED PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT, SEE A DOCTOR. INGESTION: PRODUCT IS FOR EXTE RNAL USE ONLY. INGESTION SHOULD NOT BE TOXIC BUT COULD RESULT IN IRRITATION OF DIGESTIVE SYSTEM DRINK FLUID

S TO MINIMIZE SYMPTOMS. SEEK MEDICAL ADVICE.

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

Flash Point:>100.C, 212.F

Autoignition Temp:Autoignition Temp Text:NDA

Lower Limits:NDA

Upper Limits:NDA

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT, SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/

Explosion Hazard:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Spill Release Procedures:THIS MATERIAL IS NOT EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. CLEAN UP SPILLS IMMEDIATELY, OBSERVING PRECAUTIONS IN PROTECTIVE EQUIPMENT SECTION.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:READ AND OBSERVE ALL PRECAUTIONS ON

PRODUCT LABEL. KEEP CONTAINER TIGHTLY CLOSED IN ANY GENERAL CHEMICAL STORAGE AREA.

Other Precautions:IF PRODUCT SHOULD SPILL OR BE OTHERWISE UNSUITABLE FOR NORMAL APPLICATIONS, IT MAY BE USED IN AN ALTERNATE MANNER FOR DEICING SUCH AS MIXING WITH SAND TO PREVENT FREEZING AND SUBSEQUENT DEICING OF SUR FACES. EMPTY CONTAINERS & PRODUCT UNSUITABLE FOR ANY USE MAY BE DISPOSED OF.

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

Respiratory Protection:

NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY REQUIRED WHERE ADEQUATE VENTILATION EXISTS. HOWEVER, IF OPERATING CONDITIONS CREAT HIGH AIRBORNE CONCENTRATIONS, THE USE OF AN APPROVED RESPIRATOR IS RECO MMENDED.

Ventilation:NO SPECIAL VENTILATION IS NECESSARY. HOWEVER, IF OPERATING CONDITIONS CREATE HIGH AIRBORNE CONCENTRATIONS OF THIS MATERIAL, USE AN APPROPRIATE RESPIRATOR.

Protective Gloves:APPROPRIATE WORK APPAREL. PLASTIC OR RUBBER GLOVES OPTIONAL.

Eye Protection:SAFET

Y GLASSES SHOULD ALWAYS BE WORN WHEN WORKING WITH CHEMICALS

Other Protective Equipment:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:V5

Melt/Freeze Pt:=-323.9C, 615.F

Vapor Density:N/A(AIR=1)

Spec Gravity:1.53

pH:8-10.5,10%SOL'N

Solubility in Water:PARTIALLY SOLUBLE

Appearance and Odor:WHITE TO

GRAY ANGULAR OR SPHERICAL GRANULE.

Percent Volatiles by Volume:0%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Hazardous Decomposition Products:CARBON MONOXIDE.

Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NO DATA AVAILABLE

.

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

Ecological:THIS MATERIAL IS NOT EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS.

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

Waste Disposal Methods:BASED ON INFORMATION AVAILABLE TO CRYOTECH DEICING TECHNOLOGY, THIS PRODUCT IS NEITHER LISTED AS A HAZARDOUS WASTE NOR DOES IT EXHIBIT ANY OF THE CHARACTERISTICS THAT WOULD CAUSE IT TO BE CLASSIFIED OR DISPOSED OF AS A RCRA HAZARDOUS WAST

E. DISPOSE OF IN SANITARY LANDFILL UNLESS STATE OR LOCAL REGULATIONS PROHIBIT SUCH DISPOSAL.

===== MSDS Transport Information =====

Transport Information:NOT DESIGNATED AS A HAZARDOS MATERIAL BY THE FEDERAL DOT.

===== Regulatory Information =====

SARA Title III Information:SECTION 311: IMMEDIATE (ACUTE) HEALTH EFFECTS: YES. DELAYED (CHRONIC) HEALTH EFFECTS: NO. FIRE HAZARD: NO. SUDDEN RELEASE OF PRESSURE HAZAR

D: NO. REACTIVITY HAZARD: NO.

Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====

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.