

CRYOTECH DEICING TECHNOLOGY -- E 36 LRD -- 6850-01-436-9463

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Product Identification  
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Product ID:E 36 LRD

MSDS Date:09/01/1999

FSC:6850

NIIN:01-436-9463

MSDS Number: CCMLZ

=== Responsible Party ===

Company Name:CRYOTECH DEICING TECHNOLOGY

Address:6103 ORTHOWAY

City:FORT MADISON

State:IA

ZIP:52627

Country:US

Info Phone Num:800-346-7237/319-372-6012/FAX: 2662

Emergency Phone Num:319-372-60

12/800-346-7237

Resp. Party Other MSDS Num.:118

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-D580

CAGE:0S095

Company Name:HOUSTON OIL CO.

Box:UNKNOW

CAGE:04TJ0

Company Name:NO VENDOR HAS BEEN NAMED FOR THIS LINE.

Box:UNKNOW

CAGE:NO672

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Composition/Information on Ingredients  
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Ingred Name:POTASSIU

M ACETATE/ACETIC ACID,POTASSIUM SALT

CAS:127-08-2

RTECS #:AJ3325000

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

Ingred Name:CORROSION INHIBITORS

Fraction by Wt: 5000 MG/KG.

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

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

Health Hazards Acute and Chronic:EYES:THIS SUBSTANCE IS SLIG

HTLY

IRRITATING TO THE EYES AND COULD CAUSE PROLONGED(DAYS) IMPAIRMENT OF YOUR VISION. THE DEGREE OF THE INJURY WILL DEPEND ON THE AMT OF MATERIAL THAT GETS INTO THE EYE AND THE SPEED AND THOROUGHNESS OF THE FIRST AID TREATMENT. SKIN: THIS SUBSTANCE IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT SKIN IRRITATION. INHALATION: THIS MATERIAL DOES NOT PRESENT AND INHALATION HAZARD. INGESTION: IF SWALLOWED, THIS SUBSTANCE IS CONSIDERED PRACTICALLY NON-TOXIC TO

INTERNAL ORGANS. INGESTION MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT WHICH MAY RESULT IN NAUSEA, VOMITING AND DIARRHEA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: PAIN, TEARS,SWELLING, REDNESS AND BLURRED VISION. INGESTION: NAUSEA, VOMITING, DIARRHEA

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

First Aid:GET MEDICAL ATTENTION IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER

. INHALATION: NOT LIKELY TO OCCUR. INGESTION: GET MEDICAL ADVICE. IF MEDICAL ADVICE CAN NOT BE OBTAINED, THEN TAKE THE PERSON AND PRODUCT CONTAINER TO THE NEAREST MEDICAL EMERGENCY TREATMENT CENTER OR HOSPITAL. DO NOT INDUCE VOMITING EXCEPT ON ADVICE OF COMPETENT MEDICAL PERSONNEL. IF CONSCIOUS, DRINK WATER OR MILK. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Poi

nt:NA  
Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:NA-MATERIAL IS NOT FLAMMABLE.

Fire Fighting Procedures:THIS MATERIAL NORMALLY WILL NOT BURN.

Unusual Fire/Explosion Hazard:WILL NOT BURN.

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

Spill Release Procedures:THIS MATERIAL IS NOT EXPECTED TO BE TOXIC TO  
AQUATIC ORGANISMS. THIS MATERIAL IS NOT EXPECTED TO PRESENT ANY  
ENVIRONMENTAL PROBLEM. IF PRODUCT SHOULD SPILL O

R BE OTHERWISE

UNSUITABLE FOR NORMAL ANTIFR EEZE APPLICATIONS, IT MAY BE DISPOSED  
OF IN SANITARY LANDFILL UNLESS STATE OR LOCAL REGULATIONS PROHIBIT  
SUCH DISPOSAL.

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING  
MATERIALS.

Other Precautions:READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

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

Respiratory Protection:NO SPECIAL  
RESPIRATORY PROTECTION IS NORMALLY  
REQUIRED.

Ventilation:NO SPECIAL VENTILATION IS NECESSARY.

Protective Gloves:RUBBER FOR PROLONGED/REPEATED CONTACT

Eye Protection:CHEMICAL SPLASH GOGGLES IF SPLASHING

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=100.C, 212.F

B.P. Text:APPROX

Melt/Freeze Pt:=-40.C, -40.F

Vapor Pres:NDA

Vapor Density:NDA

Spec Gravity:1.28 @ 20C

Viscosity:6.5 CP @ 20C

Sol

ubility in Water:COMPLETELY MISCIBLE

Appearance and Odor:CLEAR, COLORLESS TO LIGHT STRAW LIQUID

Percent Volatiles by Volume:NDA

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC. AVOID PROLONGED CONTACT WITH REACTIVE METALS SUCH AS MAGNESIUM & ZINC, ESPECIALLY IN CLOSED SYSTEMS WHERE HYDROGEN GAS MAY ACCUMULATE OVER T

Hazardous Decomposition

Products:NONE KNOWN

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:INGESTION-THE ORAL LD50 IN RATS IS GREATER THAN 5.0 G/KG.

===== 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 WASTE.

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

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

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

SARA Title III Information:SARA 311 CATEGORIES: IMMEDIATE (ACUTE) HEALTH EFFECTS: YES

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

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nformation by the compiling agencies):

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