

DEMERT AND DOUGHERTY INC -- ISO-HEET -- 6850-00-925-2047

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

Product ID:ISO-HEET
 MSDS Date:06/12/1990
 FSC:6850
 NIIN:00-925-2047
 MSDS Number: BHYKJ
 === Responsible Party ===
 Company Name:DEMERT AND DOUGHERTY INC
 Address:814 COMMERCE DRIVE SUITE 310
 City:OAK BROOK
 State:IL
 ZIP:60521
 Country:US
 Info Phone Num:708-571-6000
 Emergency Phone Num:708-571-6000
 CAGE:85166

=== Contractor Identification ===
 Company Name:DEMERT AND DOUGHERTY INC
 Address:5000 W 41ST ST
 Box:City:CHICAGO
 State:IL
 ZIP:60650-4524
 Country:US
 Phone:708-571-6000
 CAGE:85166

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
 CAS:67-63-0
 RTECS #:NT8050000
 Fraction by Wt: 100%
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:400 PPM/500 STEL
 ACGIH TLV:400 PPM/500STEL;9192

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 MG/KG
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO
 CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO HEADACHES AND
 DIZZINESS. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE
 IF NOT REMOVED PROMPTLY. SKIN: MAY LEAD TO DERMATITIS. INGESTION:
 MAY LEAD TO VOMITING. CHRONIC: PROLONGED SKIN CONTACT MAY CAUSE
 DERMATITIS.
 Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING
 ANY EVIDENCE OF BEING CARCINOGENIC.
 Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, HEADACHES,
 DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRATIONS ARE
 ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
 Medical Cond Aggravated by Exposure:PERSONS WITH SKIN, HEART,
 RESPIRATORY (SUCH AS EMPHYSEMA OR BRONCHITIS), OR ANY OTHER MEDICAL
 CONDITION SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

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

First Aid:SKIN: IMMEDIATELY FLUSH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF NECESSARY. INHALATION: IMMEDIATELY REMOVE VICTIUM TO FRESH AIR. GIVE CPR IF BREATHING IS STOPPED. GET MEDICAL ATTENTION. EYE: IMME DIATELY FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION. INGESTION: GET PROMPT MEDICAL ATTENTION. DO NOT INDUCE VOMITING. KEEP AT REST.

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

Flash Point Method:TCC
Flash Point:55.0F,12.8C
Lower Limits:2.5
Upper Limits:12.1
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR.CAN TRAVEL A LONG DISTANCE ALONG ALONG GROUND AND FLASHBACK.FIRE/EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS

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

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT. FLUSH RESIDUE WITHWATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. FLAMMABLE LIQUID; EMPTY CONTAINERS CAN CONTAIN LIQUID/VAPOR RESIDUE.
Other Precautions:ALWAYS AVOID EYE CONTACT. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.
Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.
Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL
Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD
Other Protective Equipment:SAFETY SHOES, EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT. WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.
Supplemental Safety and Health
NONE

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

HCC:F2

Boiling Pt:B.P. Text:180F,82C
Vapor Pres:33
Vapor Density:2.1
Spec Gravity:0.79
Evaporation Rate & Reference:2.4
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR LIQUID, SLIGHT ALCOHOL ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
UNIDENTIFIED ORGANIC COMPOUNDS.

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

Waste Disposal Methods:DISPOSE OF ALL WASTE IN ACCORDANCE WITH LOCAL,
STATE AND FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED.

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