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 ==

Ingredient: 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/500 STEL; 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.

http://www.hazard.com/msds/f2/bhy/bhykj.html
First Aid Measures

First Aid: SKIN: IMMEDIATELY FLUSH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF NECESSARY. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. GIVE CPR IF BREATHING IS STOPPED. GET MEDICAL ATTENTION. EYE: IMMEDIATELY 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, 12.8°C
Lower Limit: 2.5
Upper Limit: 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 WITH WATER.
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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