

INDUSTRIAL MUNICIPAL EQUIPMENT, INC. -- ISOPROPYL ALCOHOL,7618,PART A --  
6630-01-101-4089

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

Product ID:ISOPROPYL ALCOHOL,7618,PART A

MSDS Date:08/01/1995

FSC:6630

NIIN:01-101-4089

Kit Part:Y

MSDS Number: CBTDT

=== Responsible Party ===

Company Name:INDUSTRIAL MUNICIPAL EQUIPMENT, INC.

Address:132 WILBUR PLACE

Box:335

City:BOHEMIA

State:NY

ZIP:11716-0335

Country:US

Info Phone Num:516-666-4323

Emergency Phone Num:516-666-4323/800-424-9300(CHEMTREC)

CAGE:53390

=== Contractor Identification ===

Company Name:INDUSTRIAL MUNICIPAL EQUIPMENT, INC.(FORMERLY BOHEMIA,NY)

Address:1430 PROGRESS WAY SUITE 105

Box:City:SYKESVILLE

State:MD

ZIP:21784

Country:US

Phone:410-795-0500; FAX:410-795-1373

CAGE:53390

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 100%

Ot

her REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,  
RESPIRATORY & GI TRACTS. ACUTE- HARMFUL IF INHALED/INGESTED. MAY  
CAUSE CNS DEPRESSION, HEADACHE. MAY CAUSE EYE IRRITATION.

PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DEFAT TING, IRRITATION.  
CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,  
VOMITING, TEARING, DEFATTING OF SKIN AND DRYNESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH  
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH  
WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.  
ORAL:CALL A PH YSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR  
D

RY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA  
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL  
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.  
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Re

Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:DILUTE WITH WATER

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN COOL, VENTILATED PLACE AWAY FROM SOURCES OF IGNITION & INCOMPATIBLE MATERIALS.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. EMPTY CONTAINER RETAINS RESIDUE. FOLLOW LABEL INSTRUCTIONS.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR. IN

EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1:F3. THIS PRODUCT IS A KIT CONSISTING OF FIVE PARTS. PART A, HAS PNI A, PART B HAS PNI B, PART C HAS PNI C, PART D HAS PNI D AND PART E HAS PNI E, SAME NSN.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-127F,-88C

Vapor Pres:32 @ 6

8F

Vapor Density:2.08

Spec Gravity:0.7854

Evaporation Rate & Reference:1.4 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS, MOBILE LIQUID - ALCOHOLIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, HALOGENS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER  
SOURCES OF IGNITION

Hazardous Decomposition

Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT  
WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT  
OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY,  
THOROUGHLY RINSE C ONTAINER WITH WATER BEFORE DISPOSAL.

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