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Product Identification
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Product ID: SUPER KLEEN #2005
MSDS Date: 01/05/1994
FSC: 7930
NIIN: 00N081014
MSDS Number: CFZNY
=== Responsible Party ===
Company Name: BERKELEY INDUSTRIAL
Address: 401 ATLANTIC CITY BLVD
City: BEACHWOOD
State: NJ
ZIP: 08722
Country: US
Info Phone Num: 800-896-9366
Emergency Phone Num: 800-896-9366
CAGE: JO561

==== Contractor Identification ===

Company Name: BERKELEY INDUSTRIAL
Address: 401 ATLANTIC CITY BLVD
Box: City: BEACHWOOD
State: NJ
ZIP: 08722
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Phone: 800-896-9366
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Composition/Information on Ingredients
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Ingred Name: ETHANE, 1,1-DICHLORO-1-FLUORO-; (1 DICHLOROFLUORETHANE)
(SARA 313)
CAS: 1717-00-6
RTECS #: KI0997000
OSHA PEL: N/K
ACGIH TLV: N/K
Ozone Depleting Chemical: 2

Ingred Name: CARBON DIOXIDE; (CARBON DIOXIDE PROPELLANT)
CAS: 124-38-9
RTECS #: FF6400000
OSHA PEL: 5000 PPM
ACGIH TLV: 5000 PPM; 30000 STEL

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Hazards Identification
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: CHLOROFLUOROCARBON (CFC) MATERIALS
HAVE PRODUCED SENSITIZATION OF THE MYOCARDIUM TO EPINEPHRINE IN
LABORATORY ANIMALS AND COULD HAVE A SIMILAR EFFECT IN HUMANS.
ADRENOMIMETICS (IE, EPINEPHRINE) MAY BE CONTRA-INDICATED EXCEPT
FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY OR CHRONICALLY EXPOSED
TO CFCS .
Explanation of Carcinogenicity: NOT RELEVANT.
Effects of Overexposure: DIZZINESS, HEADACHE, NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure: NONE KNOWN.

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

First Aid:SEEK MED ASSIST FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NEC. EYE: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH COPIOUS AMOUNTS OF WATER . INHALATION: REMOVE TO FRESH AIR. GIVEARTIFICIAL RESPIRATION IF NOT BREATHING. IF BRTHG IS DFCLT GIVE OXYGEN. OBTAIN MED ATTN. INGEST: DO NOT INDUCE VOMIT. CALL PHYS IMMED. DO NOT GIVE STIMULANTS.

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

Flash Point:NONE
Extinguishing Media:CARBON DIOXIDE, WATER FOG AND DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT . PROPER EYE & SKIN PROTECTION SHOULD BE USED. USE WATER SPRAY TO KEEP CNTNRS COOL.
Unusual Fire/Explosion Hazard:THERM DECOMP PRODS MAY INCL FLUORIDES, CHLORIDES & PHOSGENE . WILL DECOMPOSE AT TEMP ABOVE 250C. CONT W/CERTAIN FINELY DIVIDED METALS MAY CAUSE (SUPDAT)

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

Spill Release Procedures:EVACUATE AREA AND PROVIDE MAXIMUM VENTILATION. DIKE AREA TO CONTAIN SPILL. RECOVER OR ABSORB WITH POROUS MATERIAL AND STORE IN CLOSED CONTAINERS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER SEALED WHEN NOT IN USE. TREAT AS COMBUSTIBLE LIQUID.
Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICINITY OF ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT &/OR UV RADIA MAY CAUSE FORM OF CHLORIDES, FLUORIDES/PHOSGENE . KEEP OUT OF REACH OF CHILDREN. A VOID BRTHG OF VAPS & PRLNGD CONT W/SKIN.

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

Respiratory Protection:NONE REQUIRED WITH NORMAL USE. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .
Ventilation:NONE REQUIRED WITH NORMAL USE.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .
Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER .
Work Hygienic Practices:USE WITH ADEQUATE VENTILATION.
Supplemental Safety and Health
FIRE AND EXPLOSION HAZARDS: EXOTHERMIC REACTION AND/OR EXPLOSIVE COMBINATIONS. ALSO, IF PRODUCT IS MIXED WITH AIR AT PRESSURE GREATER THAN ONE ATMOSPHERE, MIXTURE WILL BE FLAMMABLE.

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

Boiling Pt:B.P. Text:89.6F,32.0C
Vapor Pres:10.02 PSIA
Vapor Density:4.1

Spec Gravity:1.24 (H*20=1)
Evaporation Rate & Reference:>1
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS LIQUID WITH ETHEREAL AND FAINT SWEETISH
ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS & ALKALIS, REACTIVE METALS.
Stability Condition to Avoid:EXCESSIVE HEAT.
Hazardous Decomposition Products:CHLORIDES, FLUORIDES & PHOSGENE .
Conditions to Avoid Polymerization:SOURCES OF IGNITION, HOT SPOTS,
WELDING.

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

Waste Disposal Methods:MAY BE REPROCESSED OR INCINERATED IN APPROVED
FACILITY. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS .

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