

FREECOM INC -- PART-A CERAM-KOTE 54 (BASE) -- 8010-01-423-0402

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

Product ID:PART-A CERAM-KOTE 54 (BASE)

MSDS Date:07/01/1999

FSC:8010

NIIN:01-423-0402

Status Code:A

MSDS Number: CLQXX

=== Responsible Party ===

Company Name:FREECOM INC

Address:MCMAHON/WRINKLEAIR PK BLDG 1103

Box:2119

City:BIG SPRING

State:TX

ZIP:79721-5000

Country:US

Info Phone Num:915-263-8021/915-

263-4234

Emergency Phone Num:915-263-8497/800-346-4299

Preparer's Name:HENRY SIMMONS

CAGE:0U675

=== Contractor Identification ===

Company Name:FREECOM INC

Address:MCMAHON/WRINKLEAIR PK BLDG 1103

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CAGE:0U675

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

Ingred Name:4-METHYL-2-PENTANONE

CAS:108-10-1

RTECS #:SA9275000

Minumum % Wt:2.

Maxumum % Wt:5.

OSHA PEL:410 MG/M3;100 PPM

ACGIH TL

V:205 MG/M3;50 PPM  
ACGIH STEL:307 MG/M3;75 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL  
CAS:67-63-0  
RTECS #:NT8050000  
Minumum % Wt:1.  
Maxumum % Wt:4.  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACGIH STEL:885 MG/M3;300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:CERAMIC FILLER  
CAS:67762-90-7  
Minumum  
% Wt:43.  
Maxumum % Wt:78.

Ingred Name:EPOXY RESIN  
CAS:41638-13-5  
Minumum % Wt:2.  
Maxumum % Wt:6.

Ingred Name:EPOXY RESIN  
CAS:28064-14-4  
Minumum % Wt:1.  
Maxumum % Wt:8.

Ingred Name:EPOXY RESIN  
CAS:25068-38-6  
RTECS #:CE6880000  
Minumum % Wt:6.  
Maxumum % Wt:20.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE- THIS PRODUCT IF INHALED MAY  
CAUSE NOSE, THROAT, AND MUCOUS MEMBRAN

E IRRITATION AND POSSIBLE

CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING HEADACHES, NAUSEA, VOMITING, DIZZINESS, DROWSINESS, LOSS OF COORDINATION, IMPAIRED JUDGMENT, AND GENERAL WEAKNESS. IT MAY CAUSE MODERATE IRRITATION TO THE SKIN WITH DRYNESS, CRACKING, AND POSSIBLE DERMATITIS WITH PROLONGED OR REPEATED CONTACT. CHRONIC-PROLONG ED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION, DERMATITIS MARKED BY ROUGH, DRY CRACKING SKIN.

Explanation of Carcinogenicity:PERSONS WITH A HISTORY OF CHRONIC

RESPIRATORY DISEASE, SKIN DISEASE, OR CENTRAL NERVOUS SYSTEM DISORDERS MAY BE AT INCREASED RISK FOR WORSENING THEIR CONDITIONS FROM EXPOSURES TO THIS PRODUCT.

Medical Conditions Aggravated by Exposure:

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

First Aid:INHALATION-REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND OBTAIN MEDICAL AID. EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

SKIN: - WASH WITH FLOWING WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-WEARING. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INGESTION- DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION

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

Flash Point:=-17.8C, 64.F

Lower Limits:1.2

Upper Limits:8.0

Extinguishing Media:FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:TREAT AS A FLAMMABLE LIQUID TYPE FIRE. IN A SUSTAINED WEAR-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE BUNKER TURNOUT GEAR.

Unusual Fire/Explosion Hazard:PRODUCT IS A NFPA CLASS 1B FLAMMABLE LIQUID. PREVENT SMOKING, OPEN FLAME, STATIC, AND OTHER ELECTRICAL SPARKING. EXCESSIVE HEAT MAY CAUSE LIDS OF CONTAINERS TO POP UP FROM EXCESSIVE VAPOR PRESSURE.

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

Spill Release Procedures:PREVENT MATERIAL FROM ENTERING SEWERS OR WATERWAYS. REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES)

RFACES,  
AND ELECTRICAL STATIC OR FRICTIONAL SPARKS). VENTILATE AREA. ABSORB  
WITH INERT MATERIAL (VERMI CULITE OR SAND) AND PLACE IN A CLOSED  
CONTAINER FOR DISPOSAL AS SOLID WASTE. WASH AREA WITH TRISODIUM  
PHOSPHATE AND WATER.

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

Other Precautions:

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

Respiratory Protection:IF IRRITATION OCCURS, OR IF THE TLV OR PEL IS  
EXCEEDED, USE A NIOSH/MSHA  
APPROVED AIR PURIFYING RESPIRATOR WITH  
ORGANIC VAPOR CARTRIDGES OR CANISTERS, OR SUPPLIED AIR RESPIRATORS.  
USE RESPIRATORY PROT ECTION IN ACCORDANCE WITH YOUR COMPANY?S  
RESPIRATORY PROGRAM, LOCAL REGULATIONS OR OSHA REGULATION UNDER 29  
CFR 1910.134.

Ventilation:GENERAL DILUTION VENTILATION AND/OR EXHAUST VENTILATION  
SHOULD BE PROVIDED AS NECESSARY TO MAINTAIN EXPOSURES BELOW  
REGULATORY LIMITS.

Protective Gloves:NEOPRENE OR NATURAL RUBBER GLOVES.

Eye Protection:CHEMICAL P  
ROTECTIVE GOGGLES.

Supplemental Safety and Health

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

Boiling Pt:=116.1C, 241.F

Vapor Density:3.2

Spec Gravity:1.8612

VOC Pounds/Gallon:211

pH:SLIGHTLY ACIDIC

VOC Grams/Liter:1.76

Viscosity:800 TO 1200 CENTAPOISE

Solubility in Water:INSOLUBLE

Appearance and Odor:NEURTRAL BASE IS TRANSLUCENT AROMATIC ODOR

Percent Volatiles by Volume:10 TO 12%

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

Stability Indicator

/Materials to Avoid: YES

AVOID ORGANIC PEROXIDES AND OXIDERS.

Stability Condition to Avoid: AVOID HIGH HEAT

Hazardous Decomposition Products: VARIOUS HYDROCARBONS FRAGMENTS; CARBON MONOXIDE, CARBON DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBONS.

Conditions to Avoid Polymerization: MAY OCCUR. AVOID EXCESSIVE HEAT, CONTAMINATION AND PROLONGED STORAGE ABOVE 70F .

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

Waste Disposal Methods:

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

Federal Regulatory Information: TSCA STATUS: EACH INVENTORY IS ON THE INVENTORY SARA TITLE III SEC 304: MIBK SEC 313: MIBK CLEAN AIR ACT: MIBK LISTED AS A HAP

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

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