

RALRUBE INC. -- LA-4381/30 MMM-A-189C, CLASS II -- 8040-00-764-4424

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Product Identification
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Product ID:LA-4381/30 MMM-A-189C, CLASS II

MSDS Date:03/22/1998

FSC:8040

NIIN:00-764-4424

Status Code:A

MSDS Number: CLRPF

=== Responsible Party ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Info Phone Num:248-661-0260, FAX 248-661-3941

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:6X798

=== Contractor Identification ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

Box:City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Phone:248-661-0260, FAX 248-661-3941

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Composition/Information on Ingredients
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Ingred Name:METHYL ETHYL KETONE

CAS:78-93-3

RTECS #:EL6475000

= Wt:69.

OSHA PEL:590 MG/M3;200 PPM

ACGIH TLV:590 MG/M3;200 PPM

ACGIH STE

L:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BUTADIENE-ACRYLONITRILE POLYMER
CAS:9003-18-3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: NAUSEA AND/OR NARCOSIS. SEVERE
EYE BURNS. CHRONIC: DAMAGE TO NERVOUS SYSTEM. MINOR
EMBRYOTOXIC/FETOTOXIC EFFECTS HAVE BEEN OBSERVED IN LABORATORY RATS

EXPOSED TO MEK BY INHALATION AT LEVELS GREATER THAN 1000 PPM (5
TIMES THE OSHA-PEL) FOR MOST OF THE GESTATION PERIOD. TARGET
ORGANS: MEK, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES,
KIDNEY, LUNG & BRAIN DAMAGE. TERATOGEN.

Effects of Overexposure:IRRITATION TO EYES AND MUCOUS MEMBRANES. CAN
ALSO CAUSE SKIN DRYNESS LIQUID INGESTION MAY RESULT IN VOMITING.
WEAKNESS IN HANDS AND FEET.

Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS.

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= First Aid Measures =====

First Aid:SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. EYES:
FLUSH EYES ABUNDANTLY WITH CLEAN WATER AND REFER TO PHYSICIAN.
INGESTION: DO NOT INDUCE VOMITING. REFER TO PHYSICIAN.EXCESSIVE
INHALATION: REMOVE PATIENT TO FRESH AIR OR GIVE OXYGEN. USE CPR
PATIENT IS NOT BREATHING. REFER TO PHYSICIAN.

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

Flash Point Method:TCC
Flash Point:=-5.C, 23.F
Autoignition Temp:=-515.6C, 960.F
Lower Limits:1.8%
Upper Limits:11.5%
Extinguishing Media:CO2, FOAM, DRY CHEMICAL.
Fire Fighting Procedures:NIOSH/MSHA APPROVED SELF CONTAINED BREATHING
APPARATUS SHOULD BE WORN. USE WATER SPRAY TO COOL FIRE EXPOSED
STRUCTURES AND DISPERSE VAPOR CLOUD IF FIRE IS NOT PRESENT.
Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL
CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASHBACK.

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

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Spill Release Procedures: ABSORB SPILL IN SAND, EARTH, VERMICULITE, OIL-DRI, OR SOL-SPEED-DRI. SHOVEL ABSORBED MATERIAL INTO STEEL CONTAINER AND COVER.

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

Handling and Storage Precautions: STORE IN APPROVED SOLVENT STORAGE AREA. KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT OPEN FLAMES, SPARKS, HOT SURFACES AND OXIDIZING AGENTS.

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

Respiratory

Protection: USE NIOSH-APPROVED ATMOSPHERE SUPPLYING OR AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS AS REQUIRED TO MAINTAIN EXPOSURE LEVELS BELOW RECOMMENDED LIMITS.

Ventilation: LOCAL EXHAUST: REMOVE VAPORS DURING PROCESSING. MECHANICAL EXHAUST: EXPLOSION PROOF EQUIPMENT. SPECIAL: REDUCE VAPOR CONCENTRATION BELOW SPECIFIED LIMITS.

Protective Gloves: PVA GLOVES.

Eye Protection: SAFETY GLASSES.

Other Protective Equipment: PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

Work

Hygienic Practices: KEEP AREA CLEAN. CLEAN UP SPILLS IMMEDIATELY. PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health

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

Boiling Pt: 79.4C, 175.F

Vapor Pres: 70.2 @ 20 DEG.C. (68 F)

Vapor Density: 2.5

Spec Gravity: 0.888

VOC Pounds/Gallon: 596

VOC Grams/Liter: 4.99

Appearance and Odor: TAN. CHARACTERISTIC SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid

oid:YES

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES, SPARKS, HOT SURFACES, AND OXIDIZING AGENTS.

Hazardous Decomposition Products:OXIDES OF CARBON, SULFUR NITROGEN AND HYDROGEN CHLORIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CHEMICAL AND SOLVENT WASTE DISPOSAL REGULATIONS.

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