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## MSDS-MEK

AMERICAN-NIAGARA -- 289905 MEK (METHYL ETHYL KETONE)  
MATERIAL SAFETY DATA SHEET  
NSN: 685000F034551  
Part Number/Trade Name: 289905 MEK (METHYL ETHYL KETONE)

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General Information  
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Company's Name: AMERICAN NIAGARA  
Company's Street: 6750 JONES MILL COURT BLDG. E  
Company's City: NORCROSS  
Company's State: GA  
Company's Country: US  
Company's Zip Code: 30097  
Company's Emerg Ph #: 800-424-9300

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: 2-BUTANONE (METHYL ETHYL KETONE) (MEK)  
Ingredient Sequence Number: 01  
Percent: 100  
NIOSH (RTECS) Number: EL6475000  
CAS Number: 78-93-3  
OSHA PEL: 200 PPM  
ACGIH TLV: 590 MG/CUM  
Other Recommended Limit: 590 MG/CUM

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Physical/Chemical Characteristics  
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Appearance And Odor: CLEAR LIQUID W/STRONG SOLVENT ODOR.  
Boiling Point: 174F  
Vapor Pressure (MM Hg/70 F): 85  
Vapor Density (Air=1): >1  
Evaporation Rate And Ref: FASTER THAN BU AC  
Solubility In Water: SLIGHT

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Fire and Explosion Hazard Data  
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Flash Point: 25F  
Flash Point Method: TCC  
Lower Explosive Limit: 1.8  
Upper Explosive Limit: 11.5  
Extinguishing Media: FOAM, CO2, DRY CHEMICAL  
Special Fire Fighting Proc: DON'T USE DIRECT WATER STREAM. MUST WEAR SCBA/AIR MASKS. CLOSED CONTAINERS EXPOSED TO HEAT SHOULD BE KEPT COOL W/ WATER SPRAY.  
Unusual Fire And Expl Hazrds: LIQUID EVAPORATES & FORMS INVISIBLE VAPORS WHICH SPREAD EASILY & CAN BE IGNITED. TURN OFF ALL IGNITION SOURCES.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HIGH HEAT, FLAME, SPARKS  
Materials To Avoid: STRONG ACIDS & BASES, HALOGENS, OXIDIZING AGENTS  
Hazardous Decomp Products: CO, CO2  
Hazardous Poly Occur: NO

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Health Hazard Data  
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Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: INHALE: RESPIRATORY/NOSE/THROAT IRRITATION, SLIGHT IRRITATION/CONJUNCTIVITIS/BURNS. ASPIRATION OF LIQUID INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS/PULMONARY EDEMA/HEMORRHAGE/DEATH. CHRONIC: CNS DEPRESSION, HEMORRHAGE IN VITAL ORGANS. (SEE SUPP)  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE  
Signs/Symptoms Of Overexp: IRRITATION, BURNS, DEFATTING, DRYING, HEADACHE, DIZZINESS, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS, COMA & VOMITING  
Med Cond Aggravated By Exp: HEADACHES, DIZZINESS, NAUSEA, EXISTING DERMATITIS.  
Emergency/First Aid Proc: EYES: WASH W/FRESH WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NECESSARY. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: REMOVE IGNITION SOURCES. VENTILATE & EVACUATE AREA. KEEP MATERIAL OUT OF BODIES OF WATER. DIKE & ABSORB W/INERT MATERIAL & PUT INTO CONTAINERS FOR RECOVERY/DISPOSAL.  
Waste Disposal Method: INCINERATE/LANDFILL ACCORDING TO LOCAL, STATE & FEDERAL REGULATIONS. DON'T DUMP INTO LAKES, STREAMS, OTHER WATER SUPPLY.  
Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DON'T STORE NEAR IGNITION SOURCES, STRONG OXIDIZERS.  
Other Precautions: DON'T TAKE INTERNALLY. AVOID PROLONGED CONTACT/INHALATION. KEEP OUT OF REACH OF CHILDREN.

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Control Measures  
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Respiratory Protection: AIR SUPPLIED MASK/HOOD/NIOSH APPROVED RESPIRATOR W/AN ORGANIC VAPOR MIST CARTRIDGE. ALWAYS WEAR RESPIRATORY EQUIPMENT WHEN SPRAY APPLYING THIS PRODUCT, SANDING/ABRADING THE DRIED FILM/AT ANY TIME THERE IS EXPOSURE TO MIST/SPRAY/DUST/SMOKE.  
Ventilation: LOCAL EHXAUST (EXPLOSION PROOF) TO REDUCE TLVS  
Protective Gloves: IMPERMEABLE SOLVENT RESISTANT  
Eye Protection: CHEMICAL GOGGLES, FACE SHIELD  
Other Protective Equipment: CAP, IMPERMEABLE APRON  
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Suppl. Safety & Health Data: HEALTH CONT'D: OVEREXPOSURE TO SOLVENTS MAY CAUSE PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.

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Transportation Data  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 18MAY94  
Label Date: 18MAY94  
Label Status: F  
Common Name: MEK (METHYL ETHYL KETONE)  
Chronic Hazard: YES  
Signal Word: DANGER!  
Acute Health Hazard-Severe: X  
Contact Hazard-Severe: X  
Fire Hazard-Severe: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: INHALE: RESPIRATORY/NOSE/THROAT IRRITATION,  
SLIGHT IRRITATION/CONJUNCTIVITIS/BURNS. ASPIRATION OF LIQUID INTO LUNGS MAY  
CAUSE CHEMICAL PNEUMONITIS/PULMONARY EDEMA/HEMORRHAGE/DEATH.CHRONIC: CNS  
DEPRESSION, HEMORRHAGE IN VITAL ORGANS. OVEREXPOSURE TO SOLVENTS MAY CAUSE  
PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. TARGET ORGANS: EYES, CNS,  
RESPIRATORY & DIGESTIVE TRACTS, LUNGS, BRAIN. POSSIBLE LUNG IRRITAITON FROM  
SILICA. LONG TERM EXPOSURE TO CRYSTALLINE SILICA CAN CAUSE PNEUMOCOSIOSIS.  
CARCINOGEN: QUARTZ.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
REV. 1999