

GENIUM PUBLISHING CORP -- METHYL ISOBUTYL KETONE -- 6810-00-180-5976

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

Product ID:METHYL ISOBUTYL KETONE

MSDS Date:03/01/1986

FSC:6810

NIIN:00-180-5976

MSDS Number: BTJBT

=== Responsible Party ===

Company Name:GENIUM PUBLISHING CORP

Address:1145 CATALYN ST

City:SCHENECTADY

State:NY

ZIP:12303-1836

Country:US

Info Phone Num:518-377-8854

Emergency Phone Num:518-377-8

854

CAGE:5Z768

=== Contractor Identification ===

Company Name:GENIUM PUBLISHING CORPORATION

Address:1145 CATALYN ST

Box:City:SCHENECTADY

State:NY

ZIP:12303-1836

Country:US

Phone:518-377-8854

CAGE:5Z768

Company Name:SOUTHWEST CHEMICAL CO INC

Address:521 SOUTH K ST

Box:City:IMPERIAL

State:CA

ZIP:92251

Country:US

Phone:619-352-5300

CAGE:0AKW6

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

Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 100% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:50 PPM/75 STEL; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 = 2.08 G/KG RAT ORAL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CAN IRRITATE THE EYES, RESPIRATORY  
TRACT AND SKIN. EXPOSURE TO HIGH CONCENTRATIONS CAN CAU  
SE CENTRAL  
NERVOUS SYSTEM DEPRESSION. SKIN CONTACT MAY CAUSE DEFATTING AND  
IRRITATION. EYE CONTACT IS IRRITATI NG. INGESTION CAUSES IRRITATION  
AND A BURNING SENSATION IN THE UPPER DIGESTIVE TRACT.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:EYE IRRITATION, RESPIRATORY TRACT IRRITATION,  
SKIN IRRITATION, DEFATTING, NAUSEA, HEADACHE, DIZZINESS,  
  
UNCONSCIOUSNESS, UPPER DIGESTIVE TRACT IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA  
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATERFOR 15 MINUTES.  
GET MEDICAL ATTENTION. IN  
GESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:=22.8C, 73.F  
Autoignition Temp:=460.C, 860.F  
Lower Limits:1.4 %  
Upper Limits:7.5 %  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM. USE WATER WITH  
CAUTION.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED

TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES AND FLASH BACK. PRODUCT CAN FORM AN EXPLOSIVE MIXTURE WHEN HEATED.

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

Spill Release Procedures:REMOVE SOURCES OF IGNITION. PROVIDE CLEANUP PERSONNEL WITH PROTECTION AGAINST CONTACT AND INHALATION. ABSORB SMALL SPILLS ON PAPER AND ALLOW TO EVAPORATE IN HOOD. CONTAIN LARGE SPILLS AND ABSORB

ON VE RMICULLITE. PICK UP THIS WITH NONSPARKING SCOOP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED DRUMS OR METAL CANS IN A COOL, WELL-VENTILATED STORAGE AREA AWAY FROM IGNITION SOURCES AND OXIDIZING AGENTS.

Other Precautions:GROUND AND BOND METAL CONTAINERS WHEN DISPENSING. USE ONLY NONSPARKING TOOLS NEAR SOLVENT. NO SMOKING IN AREAS OF STORAGE

OR USE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:FACE SHIELD, APRON AND OTHER PROTECTIVE CLOTHING, AN EYEWASH STATION.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES WHEN WORKING WITH SOLVENTS. THEY POSE A SPECIAL HAZARD; SOFT LENSES MAY ABSORB IRRITANTS AND ALL LENSES CONCENTRATE THEM.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=116.1C, 241.F

Melt/Freeze Pt:=-83.7C, -119.F

Vapor Pres:16

Vapor Density:3.5

Spec Gravity:0.80

Evaporation Rate & Reference:1.62 (BUTYL ACETATE = 1)

Solubility in Water:MODERATE

Appearance and Odor:COLORLESS, MOBILE LIQUID WITH A SHARP, MINTLIKE  
ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, POTASSIUM T-BUTOXIDE

Stability Condition to Avoid:EXTREME TEMPERATURES, SPARKS, OPEN  
FLAMES,

IGNITION SOURCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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