

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

Product ID:CROWN METHYL ETHYL KETONE

MSDS Date:01/01/1990

FSC:6810

NIIN:00-281-2762

MSDS Number: BNWJW

=== Responsible Party ===

Company Name:PACKAGING SERVICES INC

Address:472 SHANK RD

Box:875

City:PEARLAND

State:TX

ZIP:77581

Country:US

Info Phone Num:713-485-1457

Emergency Phone Num:713-485-1457

CAGE:9V846

=== Contractor Identification ===

Company Name:

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Address:472 SHANK RD

Box:875

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Phone:713-485-1457

CAGE:9V846

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

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:VOLATILE ORGANIC COMPOUND, 806 GRAMS/LITER

RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2737 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY IRRITATE RESPIRATORY TRACT
OR CENTRAL NERVOUS SYSTEM DEPRESSION IF VAPORS INHALED. MAY
IRRITATE SKIN AND EYES ON CONTACT. MAY CAUSE SYMPTOMS OF NERVE
POISONING IF
SWALLOWED. CHRONIC: CENTRA L NERVOUS SYTEM DEPRESSION.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION OF VAPORS MAY CAUSE NAUSEA,
VOMITING, HEADACHE, OR LOSS OF CONSCIOUSNESS. INGESTION MAY CAUSE
DIZZINESS, VOMITTING, NAUSEA. CONTACT MAY CAUSE TEARING OF EYES,
BLURRED VISION, REDNESS OF SKI N AND EYES, ITCHING OF SKIN.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR
WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, LUNGS OR
CNS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET
MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR
15 MINUTE S HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH WIT
H SOAP & WATER. GET MEDICAL
ADVICE IF IRRITATION PERSISTS. INGESTION: GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point Method:TCC
Flash Point:20.0F,-6.7C
Lower Limits:2%
Upper Limits:12%
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH

WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE FROM INTERNAL PRESSURE IF EXPOSED TO FIRE. COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF POSSIBLE WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. ABSORB WITH SAND OR OT

HER INER T MATERIAL AND PLACE INTO DISPOSAL CONTAINER.

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED FLAMMABLE LIQUID AREA. KEEP CONTAINERS TIGHTLY CLOSED. BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

Other Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID BREATHING VAPOR. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATI

ON. IN CASE OF FIRE, USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL, OR CARBON DIOX IDE. FLUSH SPILL AREA WITH WATER SPRAY.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR FOR CONCENTRATIONS UP TO 1000 PPM. WEAR SELF-CONTAINED BREATHING APPARATUS FOR HIGHER LEVELS OF AIRBORNE CONTAMINATES.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST RECOMMENDED F

OR ENCLOSED AREAS TO MEET TLV REQUIREMENTS.

Protective Gloves:BUTYL RUBBER OR PVA

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES. LAUNDER CONTAMINATED CLOTHING BEFORE WEARING. FLUSH SPILL AREA WITH WATER SPRAY.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR I

N EYES. DO

NOT BREATHE VAPORS OR MISTS. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE.

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

HCC:F2

Boiling Pt:B.P. Text:174F,79C

Melt/Freeze Pt:M.P/F.P Text:-66F,-54C

Vapor Pres:72 MM HG

Vapor Density:2.5

Spec Gravity:0.81

Evaporation Rate & Reference:2.5 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:CLEAR, COLORLESS, SOLUTION WITH UNPLEASANT KETONE ODOR.

===== Stabilit

y and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

CERCLA RQ 5000. HAZARDOUS

WASTE NUMBER= D001 IGNITABLE. SARA TITLE

III REPORTABLE, SECTION 313.

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