

EXXON CHEMICAL AMERICAS/A DIV OF EXXON CORP -- METHYL ETHYL KETONE, CLEANING  
AGENT, COMPONENT #3 -- 5430-01-359-1078

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

Product ID:METHYL ETHYL KETONE, CLEANING AGENT, COMPONENT #3

MSDS Date:03/05/1996

FSC:5430

NIIN:01-359-1078

Status Code:A

Kit Part:Y

MSDS Number: CKGZP

=== Responsible Party ===

Company Name:EXXON CHEMICAL AMERICAS/A DIV OF EXXON CORP

Address:1350

1 KATY FWY

Box:3272

City:HOUSTON

State:TX

ZIP:77079-3272

Country:US

Info Phone Num:713-584-7600

Emergency Phone Num:800-726-2015

Resp. Party Other MSDS Num.:92050000

Chemtrec Ind/Phone:(800)424-9300

CAGE:72190

=== Contractor Identification ===

Company Name:EXXONMOBIL CHEMICAL CO, DIV OF EXXON MOBILCORP.

Address:13501 KATY FWY

Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

Phone:281-870-6000 / 800-726-2015

CAGE:72190

Company Name:TEXAS BOOM COMPANY, INC

Address:5911 HAMBLEN DR.

Box:UNKN

OW  
City:HUMBLE  
State:TX  
ZIP:77396-3216  
Country:US  
Phone:281-441-2002  
Contract Num:SP0560-00-M-4270  
CAGE:0LAM3

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Composition/Information on Ingredients  
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Ingred Name:METHYL ETHYL KETONE, (2-BUTANONE)  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:100.  
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

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Hazards Identification  
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Health Hazards Acute and Chronic:ACU

TE: EYE CONTACT: SEVERELY

IRRITATING. IF NOT REMOVED PROMPTLY, WILL INJURE EYE TISSUE, WHICH MAY RESULT IN PERMANENT DAMAGE. SKIN CONTACT: FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMA TITIS. LOW ORDER OF TOXICITY. INHALATION: VAPOR CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO EYES AND RESPIRATORY TRACT. LOW ORDER OF TOXICITY. INGESTION: LOW ORDER OF TOXICITY. SMALL AMOUNTS OF LIQUID ASPIRATED DURING INGESTION OR VOMITING, MAY CAUSE

BRONCHOPNEUMONIA OR PULMONARY EDEMA. CHRONIC: THERE IS NO EVIDENCE EXPOSURE TO PRODUCT ALONE CAUSES PROGRESSIVE OR IRREVERSIBLE NEUROTOXIC EFFECTS.

Effects of Overexposure:EYE CONTACT: IRRITATION, INJURY, DAMAGE. SKIN:

IRRITATION, DERMATITIS. INHALATION: IRRITATION OF RESPIRATORY TRACT, HEADACHES, DIZZINESS. INGESTION: BRONCHOPNEUMONIA, PULMONARY EDEMA.

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First Aid Measures  
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First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE A

MOUNT OF WATER FOR AT

LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER: USE SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING, INCLUDING SHOES, AFTER FLUSHING HAS BEGUN. INHALATION: USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION. INGESTION: IF SWALLOWED, DO NOT INDUCE V

OMITING.

KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-3.7C, 25.F

Autoignition Temp:=-348.9C, 660.F

Lower Limits:1.8

Upper Limits:11.5

Extinguishing Media:ALCOHOL TYPE FOAM AND DRY CHEMICAL.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. SHUT OFF "FUEL" TO FIRE. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VA PORS.

EITHER ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH ALCOHOL TYPE FOAM AND DRY CHEMICAL. TRY TO COVER LIQUID SPILLS WITH FOAM.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. STOP LEAK.

IMPLEMENT CLEANUP PROCEDURES. ADVISE AUTHORITIES. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, LOW AREAS. CONTAIN SPILL WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIAL. RECO

VER BY PUMPING

(USE AN EXPLOSION PROOF OR HAND PUMP) OR SUITABLE ABSORBENT.

CONSULT EXPERT ON DISPOSAL OF RECOVERED MATERIAL. ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. HANDLE AND OPEN CONTAINERS WITH CARE. STORE IN A COOL, WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT, OR OTHER SOURCES

OF IGNITION. PROTECT MATERIAL FROM  
DIRECT SUNLIGHT.

Other Precautions: THIS MATERIAL IS NOT A STATIC ACCUMULATOR, BUT USE  
PROPER GROUNDING PROCEDURES. DO NOT PRESSURIZE, CUT, HEAT, OR WELD  
CONTAINERS. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE.  
DO NOT REUSE EMP TY CONTAINERS WITHOUT COMMERCIAL CLEANING OR  
RECONDITIONING.

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

Respiratory Protection: WHERE VENTILATION IS NOT ADEQUATE AND EXPOSURE  
MAY

EXCEED THE RECOMMENDED LIMITS WEAR A NIOSH/MSHA APPROVED  
RESPIRATOR TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation: MECHANICAL DILUTION VENTILATION RECOMMENDED WHEN PRODUCT IS  
USED IN CONFINED SPACE, IS HEATED ABOVE AMBIENT TEMP. OR IS  
AGITATED. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves: WEAR LONG SLEEVES, CHEMICAL RESISTANT GLOVES TO  
PREVENT SKIN EXPOSURE.

Eye Protection: CHEMICAL GOGGLES. WHERE CONTACT MAY OCCR WEAR A FACE  
SHIELD.

Supplemental Safety and Health

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IS ENTRY DESCRIBES COMPONENT #3 OF A THREE PART KIT. SEE THIS SAME  
NSN 5430-01-359-1078 COMPONENT #1 AND COMPONENT #2 FOR DESCRIPTION  
OF THE OTHER TWO KIT PARTS.

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

HCC:F2

Boiling Pt: B.P. Text: 175F - 177F

Melt/Freeze Pt: AIR

Spec Gravity: 0.81 @ 68F

Viscosity: 0.5 @ 68F

Evaporation Rate & Reference: 6.0 (N-BU ACETATE=1)

Solubility in Water: 26.30 @ 68F

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

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Stability Indicator/Materials to Avoid: YES

CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, AMMONIA, STRONG OXIDIZING AGENTS, AND CHLORINATED COMPOUNDS.

Stability Condition to Avoid: NOT APPLICABLE.

Hazardous Decomposition Products: NONE

Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: THERE IS NO EVIDENCE THAT EXPOSURE TO METHYL ETHYL KETONE (MEK) ALONE CAUSES PROGRESSIVE OR IRREVERSIBLE NEUROTOXIC EFFECTS. HOWEVER, SIMULTANEOUS OVER-EXPOSURE TO MEK AND N-HEXANE CAN POTENTIATE THE KNOWN IRREVERSIBLE NEUROTOXIC EFFECTS OF N-HEXANE. THERE IS NO REPORTED HUMAN EVIDENCE THAT THESE NEUROTOXIC EFFECTS OCCUR WHEN EXPOSURE TO BOTH CHEMICALS IS MAINTAINED BELOW ESTABLISHED OSHA AND ACGIH LIMITS.

===== Ecological Information =====

Ecological: NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

===== MSDS Transport Information =====

Transport Information: DOT SHIPPING DESCRIPTION: METHYL ETHYL KETONE, CLASS 3, UN1193, PKG=I I.

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

SARA Title III Information: SECTIONS 311/312: PRODUCT IS CLASSIFIED INTO THE FOLLOWING CATEGORIES: IMMEDIATE HEALTH, DELAYED HEALTH, FIRE. THIS INFORMATION MAY BE SUBJECT TO THE PROVISIONS OF THE COMMUNITY RIGHT-TO-KNOW REPORTING REQUIREMENTS (40 CFR 370) IF THRESHOLD QUANTITY CRITERIA ARE MET. THIS PRODUCT CONTAINS THE FOLLOWING

SECTION 313 REPORTABLE INGREDIENTS: METHYL ETHYL KETONE, CAS# 78-93-3, 100% MAXIMUM.

Federal Regulatory Information: TSCA: THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AT CAS REGISTRY NUMBER 78-93-3. CERCLA: THE REPORTABLE SPILL QUANTITY OF THIS PRODUCT IS 5000 POUNDS. THIS PRODUCT CONTAINS: METHYL ETHYL KETONE. SPILLS OF OR OVER 5000 LBS ARE SUBJECT TO THE PROVISION OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT.

ATION, AND LIABILITY ACT (CERCLA) AND MUST BE  
REPORTED BY CALLING 800-424-8802.

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