

BOSTIK DIV,EMHART/BOSTIK -- 235801 BOSCODUR 4 -- 8040-01-105-8626
===== Product Identification =====

Product ID:235801 BOSCODUR 4

MSDS Date:03/23/1989

FSC:8040

NIIN:01-105-8626

Kit Part:Y

MSDS Number: BGMCL

=== Responsible Party ===

Company Name:BOSTIK DIV,EMHART/BOSTIK

Address:BOSTON STREET

City:MIDDLETON

State:MA

ZIP:01949

Info Phone Num:508-774-7376

Emergency Phone Num:508-777-0100

Preparer's

Name:D.C. MOLBERG

CAGE:MO931

=== Contractor Identification ===

Company Name:BOSTIK DIV,EMHART/BOSTIK

Address:BOSTON STREET

Box:City:MIDDLETON

State:MA

ZIP:01949

Phone:508-774-7376

CAGE:MO931

Company Name:USM CORP SUB OF EMHART INDUSTRIES INC BOSTIK DIV

Address:BOSTON ST

Box:City:MIDDLETON

State:MA

ZIP:01949

Country:US

Phone:508-777-0100

CAGE:70707

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

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

CAS:78-93-3

RTEC

S #:EL6475000
Fraction by Wt: 31%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYLENE BISPHENYL ISOCYANATE (MDI) (SARA III)
CAS:101-68-8
RTECS #:NQ9350000
Fraction by Wt: 69%
OSHA PEL:C, 0.02 PPM
ACGIH TLV:0.005 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC
:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO
SKIN,CORROSIVE TO EYES AND HARMFUL IF INGESTED OR INHALED. CHRONIC
EXPOSURE MAY PRODUCE ASTHMA,CENTRAL NERVOUS SYSTEM EFFECTS,LUNG
IMPAIRMENT.

Effects of Overexposure:EYE:BURNS,POSSIBLY IRREVERSABLE.
SKIN:IRRITATION.
INGESTION/INHALATION:IRRITATION,BREATHLESSNESS,CHEST
PAIN,COUGHING,NAUSEA,DIARRHEA,VOMITING,NARCOSIS. PRODUCT MAY ALSO
SENSITIZE INDIVIDUALS PRODUCING ASTHMA.

Medical Cond Aggravated b
y Exposure:BRONCHIAL HYPERACTIVITY,ASTHMA.

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER.
INHALED:REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR OXYGEN
AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE LARGE QUANTITY OF
MILK OR WATER.(NOTHING BY MOUTH IF UNCONSCIOUS).GET IMMEDIATE
MEDICAL ATTENTION. IF ANY IRRITATION PERSISTS OR IS SEVERE,GET
PROMPT MEDICAL CARE.

=====

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

Flash Point Method:CC

Flash Point:28F/-2C

Autoignition Temp:Autoignition Temp Text:959F

Lower Limits:1.8(CALC)

Upper Limits:11.4(CALC)

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG, OR SPRAY.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS. PRODUCT FOAMS WITH WATER WHEN HEATED.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedur

es:ELIMINATE SOURCES OF IGNITION. ADSORB WITH SAND, SWEEPING COMPOUND, ETC. PACKAGE IN CLOSED STEEL CONTAINERS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. STORE AT 6-77F. KEEP TIGHTLY CLOSED.

Other Precautions:WARNING-HARMFUL WHEN INHALED; AVOID BREATHING VAP/MIST. USE W/ADEQUATE VENT. AVOID SKIN, EYE, CLOTHG CONTCT; CAUSES SKIN IRRITATION; MAY CAUSE ALLERGIC RESPI RATORY REACTION. AVOID MOISTURE CONTAMINAT.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED WITH CARTRIDGE FOR ORGANIC VAPORS/MISTS OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV/PEL.

Ventilation:USE NORMAL ROOM VENTILATION. IF PEL/TLV IS EXCEEDED, PROVIDE LOCAL EXHAUST TO RETURN EXPOSURE TO SAFE/LEGAL LEVELS.

Protective Gloves:NEOPRENE, NITRILE, IMPERVIOUS PLASTIC.

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES.

Other Protective Equipment:SAFETY SHOWER, EYE WASH.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL UNNECESSARY CONTACT.

Supplemental Safety and Health

MSDS FM MFR DATED: 3/20/85; THIS IS PART B OF 2 PART KIT; SEE P/N IND A, SAME NSN, FOR PART A (BOSTIK 7132) DATA; PER MFR, MSDS CONFORMS TO OSHA STD; CALL PHYSICIAN IN CASE OF ANY OVEREXPSR EFFECTS. K EY1:F3

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

HCC:F2

Boili

ng Pt:B.P. Text:176F/80C
Vapor Pres:74 MM
Vapor Density:2.49
Spec Gravity:1.05
Evaporation Rate & Reference:5.7 BUAC:2.7 ETHER
Solubility in Water:8.4%
Appearance and Odor:BROWN LIQUID,KETONE ODOR.
Percent Volatiles by Volume:40.4

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS,HALOGENS,ALKALIS,MINERAL
ACIDS,ALCOHOLS,AMINES,DETERGENTS,AMMONIA,WATER.
Stability Condition to Avoid:SUNLIGHT,HEAT,IGNITION SOURCE
S.
Hazardous Decomposition Products:MISCELLANEOUS INNOCUOUS AND TOXIC
PRODUCTS OF COMBUSTION.INCLUDING CO,CO*2,H*2O,NO*X.
Conditions to Avoid Polymerization:CONTACT WITH WATER & OTHER
ISOCYANATES.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.