

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- PLIOBOND 20 -- 8040-00-200-9190

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

Product ID:PLIOBOND 20

MSDS Date:11/06/1991

FSC:8040

NIIN:00-200-9190

MSDS Number: BPMPZ

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43228

Country:US

Info Phone Num:614-790-3333

Emergency P

hone Num:800-274-5263

Preparer's Name:JOE HOLHOUSE

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

Company Name:STEVEN INDUSTRIES

Address:39 AVENUE C

Box:8

City:BAYONNE

State:NJ

ZIP:07002-3417

Country:US

Phone:201-437-6501

CAGE:33150

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

Ingred Name:SYNTHETIC

RUBBER

Fraction by Wt: 10-15%

Other REC Limits:NONE SPECIFIED

Ingred Name:ALKYLPHENOLIC RESIN

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM CARBONATE (PEL AND TLV ARE FOR TOTAL NUISANCE PARTICULATES)

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:METHYL ETHYL KETONE (SARA 313)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 78%

Other REC Limits:NIOSH 200 PPM (8 HR)

OSHA PEL:20

0 PPM/300 STEL

ACGIH TLV:200 PPM/300 STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:FORMALDEHYDE (SARA 313)

CAS:50-00-0

RTECS #:LP8925000

Fraction by Wt: .01-0.2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:SEE 1910.1048

ACGIH TLV:C 0.3 PPM; A2; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazard

s Acute and Chronic: EYE: SEVERE  
IRRIT/REDNESS/TEARING/BLURRED VISION. SKIN: MOD  
IRRIT/DEFAT/DERMATITIS/SENSITIZATION. INHAL: NASAL/RESP  
IRRIT/CENTRAL NERV  
SYS/DIZZINESS/WEAKNESS/FATIGUE/NAUSEA/HEADACHE/UNCONSCIOUSNESS/EV  
EN DEATH. INGEST: GASTROINTESTINAL  
IRRIT/NAUSEA/VOMIT/DIARRHEA/ASPIR OF MATL INTO LUNGS CAN CAUSE CHEM  
PNEUMONITIS/FATAL

Explanation of Carcinogenicity: FORMALDEHYDE IDENTIFIED AS A CARCINOGEN  
BY NTP, IARC, OSHA.

Effects of Overexposure: EMBRYOTOXIC  
/FETOTOXIC EFFECTS OBSERVED IN LAB

RATS EXPOSED TO METHYL ETHYL KETONE BY INHAL AT LEVELS GREATER THAN  
1000 PPM (5 TIMES THE OSHA/PEL/TWA) MOST OF GESTATION PERIOD. MAY  
POTENTIATE PERIPHERAL NEUROPATHY CAUSED BY METHYL N-BUTYL KETONE  
OR N-HEXENE. PROD BY ITSELF-NOT SHOWN TO CAUSE#

Medical Cond Aggravated by Exposure: N/K #PERIPHERAL NEUROPATHY.  
INHAL EXPOS OF FORMALDEHYDE SHOWN TO CAUSE NASAL TUMORS IN RATS &  
INGEST OF FORMALDEHYDE SHOWN TO CAUSE LEUKEMIA & GASTROINTE  
STINAL  
TRACT TUMORS IN RATS. EPIDEMIOLOGY##

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

First Aid: SKIN: WASH WITH SOAP AND WATER. RMV CONTAM CLOTH, LAUNDER  
BEFORE REUSE. EYE: FLUSH W/LG AMT OF WATER, LIFTING LIDS  
OCCASIONALLY. GET MED AID. INGEST: DO NOT INDUCE VOMITING, KEEP  
WARM/QUIET. GET MED AID. ASPIR OF MATL INTO LUNGS DUE TO VOMITING  
CAN CAUSE CHEM PNEUMONITIS-CAN BE FATAL. INHAL: GET FRESH AIR. IF  
BREATH DIFFICULT-ADMIN OXYGEN, IF STOP-  
GIVE ARTIF RESP. KEEP  
WARM/QUIET. GET MED AID.

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

Flash Point Method: TOC  
Flash Point: 23.0F, -5.0C  
Lower Limits: 2.0  
Upper Limits: 11.5  
Extinguishing Media: REGULAR FOAM, WATER FOG, CARBON DIOXIDE OR DRY  
CHEMICAL.  
Unusual Fire/Explosion Hazard: VAPORS HEAVIER THAN AIR/MAY TRAVEL ALONG  
GROUND/MOVED BY VENT & IGNIT W/PILOT LIGHTS, OTHER  
FLAMES/SPARKS/HEATERS/SMOKING/ELECTRIC MOTORS/STATIC  
DISCHRG/OTHER\*\*

=====

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

Spill Release Procedures:ELIM ALL SOURCES OF IGNIT: FLARES/FLAMES  
(INCLUD PILOT LIGHTS)/ELEC SPARKS. ABSORB LIQ ON  
PAPER/VERMICULITE/FLOOR ABSORB/OTHER ABSORB-TRANSFER TO HOOD. EVAC  
UNPROTECT PERSONS UNTIL CLEANUP IS COMPLETE . STOP AT SOURCE/DIKE  
AREA TO PREVENT SPREADING/++

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

Other Precautions:++PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY  
BE TA  
KEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER  
ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS. NOTIFY THE PROPER  
AUTHORITIES AS REQUIR ED THAT A SPILL HAS OCCURED.

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

Respiratory Protection:NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR  
ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REG ALSO  
PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEG PRESS TYPE) UNDER  
SPECIFIED CONDITIONS (SEE SAFET Y EQUIP SUPPL  
IER). ENGINEERING  
OR+++

Ventilation:PROVIDE SUFFICIENT MECH (GENERAL/LOCAL EXHAUST) VENTILATION  
TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NATURAL RUBBER

Eye Protection:CHEM SPLASH GOGGLES/OTHER SAFETY GLASSES

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AND BOOTS.

##STUDIES HAVE NOT CLEARLY ASSOCIATED EXPOS TO FORMALDEHYDE  
W/CANCER IN MAN###

Work Hygienic Practices:N/K +++ADMINISTRATIVE  
CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Suppleme

ntal Safety and Health

###OSHA HAS PROMULGATED A STANDARD (29CFR SECT 1910.1048) CONTAINING  
ADDITIONAL REQUIREMENTS ON: EMPLOYEE MONITORING/INFO-TRAINING/MED  
SURVEILLANCE/METHODS OF COMPLIANCE. OVEREXPOSURE MAY CAUSE THE FO  
LLOWING EFFECTS IN LAB ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE  
AND BRAIN DAMAGE.

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

HCC:F2

Boiling Pt:B.P. Text:176F,80C

Vapor Pres:71 @ 68 F

Vapor Density:2.5

Spec Gravity:.868 @ 68 F

Eva

poration Rate & Reference: SLOWER THAN ETHER

Appearance and Odor: TAN COLORED LIQUID

Percent Volatiles by Volume: 75-80

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS. \*\*\*DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. ALL 5 GALLON\*\*\*\*

Stability Condition to Avoid: N/K \*\*IGNIT SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING/CUTTING TORCH ON/ OR NEAR\*\*\*

Hazardous Decomposition Products: MAY FORM TOXIC MATERIALS:

CO/CO<sub>2</sub>/VARIOUS HYDROCARBONS/NITROGEN COMPOUNDS/PHENOLS/SMALL AMOUNTS OF HYDROGEN CYANIDE, ETC.

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

Waste Disposal Methods: ALLOW VOLATILE PORTION TO EVAP IN HOOD, GIVE SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE W/APPLICABLE REGULATIONS. DESTROY BY LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE 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.