

ASHLAND DISTRIBUTION & SPECIALTY CHEMICAL CO. -- PLIOBOND 20 -- 8040-00-680-1080

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Product Identification
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Product ID:PLIOBOND 20
MSDS Date:01/26/1998
FSC:8040
NIIN:00-680-1080
Status Code:A
MSDS Number: CKZJD
=== Responsible Party ===
Company Name:ASHLAND DISTRIBUTION & SPECIALTY CHEMICAL CO.
Box:2219
City:COLUMBUS
State:OH
ZIP:43216-2219
Country:US
Info Phone Num:614-790-3333/800-274-5
263
Emergency Phone Num:1-800-274-5263
Preparer's Name:HENRY SIMMONS
CAGE:34897
=== Contractor Identification ===
Company Name:ASHLAND CHEMICAL CO
Box:2219
City:COLUMBUS
State:OH
ZIP:43216-2219
Country:US
Phone:614-790-3333/800-274-5263
CAGE:34897

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Composition/Information on Ingredients
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Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
Minumum % Wt:78.
Maxumum % Wt:79.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
E

PA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NITRILE RUBBER
Minumum % Wt:9.
Maxumum % Wt:13.

Ingred Name:ALKYLPHENOLIC RESIN
Minumum % Wt:4.
Maxumum % Wt:8.

Ingred Name:CALCIUM CARBONATE
CAS:471-34-1
RTECS #:FF9335000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
= Wt:.1
OSHA PEL:SEE 1910.1048
ACGIH STEL:C0.37 MG/M3;C0.3 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE: MAY CAUSE MILD EYE IRRITATION.

SYMPTOMS INCLUDE STINGING, TEARING, AND REDNESS. SKIN: CAN CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN.

SWALLOWING: SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. INHALATION. BR

EATING OF VAPOR OR

MIST IS POSSIBLE. BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL USE IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL.

Explanation of Carcinogenicity:INHALATION EXPOSURE OF FORMALDEHYDE HAS BEEN SHOWN TO CAUSE NASAL TUMORS IN RATS, AND INGESTION OF FORMALDEHYDE IN DRINKING WATER HAS BEEN SHOWN TO CAUSE LEUKEMIA AND GASTROINTESTINAL TRACT TUMORS IN RATS. EPIDEMIOLOGY STUDIES HAVE NOT CLEARLY ASSOCIATED EXPOSURE

E TO FORMALDEHYDE WITH CANCER IN MAN.

Effects of Overexposure:SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE: IRRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS)

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

First Aid:EYES: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE

AND INTO THE FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK IMMEDIATE MEDICAL ATTENTION. SWALLOWING: SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH. INHALATION: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE

MEDICAL ATTENTION; KEEP PERSON QUIET.

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

Flash Point Method:TCC

Flash Point:=-5.C, 23.F

Lower Limits:2.0

Upper Limits:12.0

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

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRICAL MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

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

Spill Release Procedures:SMALL SPILL. ELIMINATE ALL SOURCES OF IGNITION SUCH AS FLARES, FLAMES (INCLUDING PILOT LIGHTS), AND ELECTRICAL SPARKS. ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILLS: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, AND ELECTRICAL SPARKS). PERSONS

NS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTILL CLEAN-UP.

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Handling and Storage
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Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

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Exposure Controls/Personal Protection
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Respiratory Protection:

IF WORKPLACE EXPOSURE LIMIT (S) OF PRODUCT OF ANY COMPONENT IS EXCEEDED (SEE EXPOSURE GUIDELINES), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST).

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)

Eye Protection:CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED.

Other Protective Equipment:WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER, TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Supplemental Safety and Health

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Physical/Chemical Properties
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Boiling Pt:=80.C, 176.F

Vapor Pres:71 MMHG @ 68F

Vapor Density:2.5

Spec Gravity:.862 @ 77F

VOC Grams/Liter:7.18

Evaporation Rate & Reference:

SLOWER THAN ETHYL ETHER

Appearance and Odor:TAN COLORED LIQUID

Percent Volatiles by Volume:78% - 82%

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CYANIDE, NITROGEN COMPOUNDS, PHENOLS, VARIOUS HYDROCARBONS.

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Disposal Considerations
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Waste Disposal

Disposal Methods:DESTROY THE LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE REGULATIONS.

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

SARA Title III Information:SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A : FORMALDEHYDE 500 TPQ (LBS) 100 RQ (LBS). SECTION 311/312 HAZARD CLASS - 40 CFR 370.2 IMMEDIATE, DELAYED, FIRE. SARA 313 COMPONENTS - 40 CFR 372.65 METHYL ETHYL KETONE 78-93-3 79.42%, FORMALDEHYDE 50-00-0 .10%

Federal Regulatory Information:CERCLA RQ - 40 CFR 302.4(A): METHYL

ETHYL KETONE 5000 RQ (LBS) FORMALDEHYDE 100 RQ (LBS)

State Regulatory Information:CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. FORMALDEHYDE(GAS) 1,3-BUTADIENE, ACRYLONITRILE. NEW JERSEY RTK LABEL INFORMATION METHYL ETHYL KETONE

78-93-3. PENNSYLVANIA RTK LABEL INFORMATION: 2-BUTANONE 78-93-3.

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===== Other Information =====

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