

BARTLETT CHEMICALS -- TETRAHYDROFURAN -- 6810-01-271-4835

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Product Identification
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Product ID:TETRAHYDROFURAN

MSDS Date:12/28/1993

FSC:6810

NIIN:01-271-4835

MSDS Number: BSVRC

=== Responsible Party ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

Box:10710

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Info Phone Num:504-734-1971

Emergency Phone Num:504-734-1971

Preparer's Na

me:NONE

CAGE:1V771

=== Contractor Identification ===

Company Name:BARTLETT CHEMICALS

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Box:10710

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Composition/Information on Ingredients
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Ingred Name:TETRAHYDROFURAN (SARA III)

CAS:109-99-9

RTECS #:LU5950000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM

ACGIH TLV:200 PPM/250STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identifi

cation =====

LD50 LC50 Mixture:LD50 ORAL RAT IS UNKNOWN.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES: IRRITATION. SKIN:

IRRITATION, REDNESS, PAIN. INHALATION: THF IS AN ANESTHETIC AGENT.

MAY CAUSE IRRITATION OF NOSE AND THROAT, DIZZINESS, AND HEADACHE.

INGESTION: IRRITATING TO MUCOUS MEMBRANES. MAY CAUSE SORE THROAT AND ABDOMINAL PAIN. MAY ALSO CAUSE LIV

ER OR KIDNEY INJURY. CHRONIC:

NO INFORMATION FOUND.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, REDNESS,

PAIN. INHALATION: ANESTHETIC EFFECTS, NOSE AND THROAT IRRITATION,

DIZZINESS, HEADACHE. INGESTION: MUCOUS MEMBRANE IRRITATION, SORE THROAT, ABDOMINAL PAIN, LIVER AND KIDNEY INJURY.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE

PROBLEMS OR SKIN DISORDERS OR IMPAIRED LIVER OR KIDNEY FUNCTION MAY BE M

ORE SUSCEPTIBLE TO THE EFFECTS OF EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION.

SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH LARGE AMOUNTS

OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF

NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET

MEDICAL ATTENTION. INGESTION: IF PHYSICIAN NOT IMMEDIATELY

AVAILABLE GIVE TWO GLAS

SES OF WATER AND INDUCE VOMITING. GET

MEDICAL ATTENTION.

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

Flash Point Method:CC

Flash Point:6F,-14C

Autoignition Temp:Autoignition Temp Text:610F

Lower Limits:1.8

Upper Limits:11.8

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND

NIOSH-APPROVED SCBA WITH FULL FACEPIECE OPERATED IN PRESSURE

DEMAND

OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN LIMITS NOTED ABOVE, MAY FORM EXPLOSIVE ORGANIC PEROXIDES WHEN EXPOSED TO AIR OR LIGHT OR WITH AGE.

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

Spill Release Procedures:VENTILATE AREA.REMOVE IGNITION SOURCES.WEAR PROTECTIVE EQUIPMENT.CONTAIN AND RECOVER LIQUID WHEN POSSIBLE.USE NON-SPARKING TOOLS AND EQUIPMENT.ABSORB ON PAPER TOWEL OR VERMICULITE AND PLACE IN APPROPRIATE CONTAINER FOR DISPOSAL.DO NOT FLUSH TO SEWER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED AREA, AWAY FROM DIRECT SUNLIGHT AND OXIDIZING MATERIALS. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:STORE IN TIGHTLY CLOSED CONTAINERS (PREFERABLY UNDER NITROGEN ATMOSPHERE). OUTSIDE OR DETACHED STORAGE PREFERRED. INSIDE STORAGE SHOULD BE STANDARD FLAMMABLE LIQUIDS STORAGE AREA. STORAGE AND USE AREAS SHOULD BE "NO SMOKING" AREAS.

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

Respiratory Protection:NONE NEEDED WITH ADEQUATE VENTILATION.IF TLV IS EXCEEDED A FULL FACE CHEMICAL CARTRIDGE RESPIRATOR MAY BE WORN UP TO MAXIMUM CONCENTRATION SPECIFIED FOR UNIT.ALTERNATIVELY,SUPPLIED-AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD MAY BE WORN.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURES BELOW TLV. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:RUBBER OR NEOPRENE GLOVES.

Eye Protection:WEAR GOGGLES W/FACESHIELD FOR SPLASHING.

Other Protective Equipment:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL. PROVIDE EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES

HING BEFORE REUSE.

Supplemental Safety and Health

CONTAINERS SHOULD BE BONDED AND GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. USE NON-SPARKING TOOLS AND EQUIPMENT. DO NOT USE COMPRESSED AIR FOR FILLING, DISCHARGING, OR HANDLING. PEROXIDES CAN BE REMOVED BY TREATMENT WITH STRONG FERROUSSULFATE SOLUTION MADE SLIGHTLY ACIDIC WITH SODIUM BISULFITE.

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

HCC:F2

Boiling Pt:B.P. Text:151F,66C

Melt/Freeze Pt:M.P/F.P Te

xt:-163F,-108C

Vapor Pres:114

Vapor Density:2.5

Spec Gravity:0.88

Evaporation Rate & Reference:14.5 (BUTYL ACETATE =1)

Solubility in Water:MISCIBLE WITH WATER.

Appearance and Odor:COLORLESS, MOBILE LIQUID. ETHER-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS,LITHIUM ALUMINUM HYDRIDE,SODIUM ALUMINUM HYDRIDE,POTASSIUM HYDROXIDE.REACTS VIOLENTLY W/AIR ON STANDING

Stability Condition to Avoid:HEAT,

SPARKS, FLAMES. STABLE IN CLOSED

CONTAINERS WITH OXYGEN AND LIGHT EXCLUDED.

Hazardous Decomposition Products:EMITS IRRITATING FUMES AND TOXIC GASES

AND VAPORS (SUCH AS CARBON MONOXIDE) WHEN HEATED TO DECOMPOSITION.

Conditions to Avoid Polymerization:THIS SUBSTANCE DOES NOT POLYMERIZE.

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

Waste Disposal Methods:CONTACT LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

.IF

PERMITTED ATOMIZE IN RCRA APPROVED COMBUSTION CHAMBER OR ABSORB WITH ABSORBENT FOR DISPOSAL AS HAZARDOUS WASTE. RQ=1000 LBS.

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