

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- BUTYL ACETATE NORMAL 98% --  
6810-00-222-2742

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

Product ID: BUTYL ACETATE NORMAL 98%

MSDS Date: 10/15/1991

FSC: 6810

NIIN: 00-222-2742

MSDS Number: BSQZP

==== Responsible Party ====

Company Name: ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Box: 2219

City: COLUMBUS

State: OH

ZIP: 43216

Country: US

Info Phone Num: 614-790-3333

Emergenc

y Phone Num: 800-274-5263

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: CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address: 2210 HACKBERRY LN

Box: 687

City: CONROE

State: TX

ZIP: 77305

Country: US

Phone: 409-756-1065

CAGE: 4N760

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

Ingred Name: N-BUTYL AC

ETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: >98%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM/200STEL;9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:N-BUTYL ALCOHOL (SARA III)  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:S, C 50 PPM; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL L  
D50 (RAT) 13,100 MG/KG (RTECS)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- INHALATION MAY CAUSE  
RESPIRATORY TRACT IRRITATION & CNS EFFECTS, UNCONSCIOUSNESS & EVEN  
DEATH. INGESTION MAY CAUSE GI IRRITATION, VOMITING & DIARRHEA. EYE  
CONTACT CAN CAUSE SEVERE IRRITATION & BLURRED VISION. PROLONGED  
SKIN CONTACT CAN CAUSE DEFATTING. CHRONIC- DERMATITIS. TARGET  
ORGANS:CNS, LUNG, E  
YE, SKIN, GI.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYE, SKIN, RESPIRATORY AND GASTROINTESTINAL  
TRACTS IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA,  
REDNESS AND TEARING OF EYES, WEAKNESS, FATIGUE, UNCONSCIOUSNESS,  
DEATH  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY  
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures =====

First Aid:OBTAIN MEDICAL ATTENTION IF NEEDED. INGESTION:IF CONSCIOUS, DRINK 2 GLASSES OF WATER AND INDUCE VOMITING. KEEP HEAD BELOW HIPS WHILE VOMITING. CALL PHYSICIAN. INHALATION:REMOVE FROM EXPOSURE. PROVIDE CPR/OXYGEN IF NEEDED. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYE LIDS OPEN. SKIN:FLUSH WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====  
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Flash Point Method:TCC

Flash Point:81.0F,27.2C

Lower Limits:3.0

Extinguishing Media:USE CARBON DIOXIDE, "ALCOHOL" FOAM, OR DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.  
CO

CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH PUMP OR WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND OR CLAY. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====  
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Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS.

===== Exposure Controls/Pers

onal Protection =====

Respiratory Protection:IF LEVELS MAY OR DOES EXCEED THE RECOMMENDED HEALTH STANDARDS, WEAR A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR. FOR EMERGENCY USE, WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NATURAL RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES/FACE SHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE

AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WARNING! SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURES AND PRESSURES MAY RESULT IN IGNITION WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES.

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

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:260F,127C

Vapor Pres:13 @ 68F

Vapor Density:4.00

Spec Gravity:0.882

Evaporation Rate & Reference:1.0 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS LIQUID - FRUITY ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ST

RONG MINERAL ACIDS, STRONG BASES

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:INSURE CONFORMITY WITH GOVERNMENT DISPOSAL REGULATIONS. USE CERTIFIED VENDOR FOR DISPOSAL BY INCINERATION.

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