

EASTMAN CHEMICAL -- CELLULOSE ACETATE BUTYRATE 551-0.01, SPC 19347
 MATERIAL SAFETY DATA SHEET
 NSN: 681000N000962
 Manufacturer's CAGE: 74364
 Part No. Indicator: A
 Part Number/Trade Name: CELLULOSE ACETATE BUTYRATE 551-0.01, SPC 19347

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 General Information
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Company's Name: EASTMAN CHEMICAL CO
 Company's Street: WILCOX DR & LINCOLN ST
 Company's P. O. Box: 431
 Company's City: KINGSPORT
 Company's State: TN
 Company's Country: US
 Company's Zip Code: 37662
 Company's Emerg Ph #: 800-424-9300 (CHEMTREC)
 Company's Info Ph #: 615-229-2000
 Record No. For Safety Entry: 001
 Tot Safety Entries This Stk#: 001
 Status: SMJ
 Date MSDS Prepared: 22APR94
 Safety Data Review Date: 13MAR96
 MSDS Serial Number: BCGSK
 Hazard Characteristic Code: N1
 NRC/State License Number: N/A
 Net Propellant Weight-Ammo: N/A

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 Ingredients/Identity Information
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Proprietary: NO
 Ingredient: CELLULOSE ACETATE BUTYRATE
 Ingredient Sequence Number: 01
 Percent: 100
 NIOSH (RTECS) Number: 1001206CA
 CAS Number: 9004-36-8
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)

Proprietary: NO
 Ingredient: VENT: SUPPLEMENTARY LOCAL EXHAUST VENT, CLOSED SYSTEMS OR
 NIOSH/MSHA APPRVD RESP PROT MAY BE NEEDED IN SPECIAL (ING 3)
 Ingredient Sequence Number: 02
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Proprietary: NO
 Ingredient: ING 2: CIRCUMSTANCES SUCH AS POORLY VENTILATED SPACES,
 MECHANICAL GENERATION OF DUSTS, HEATING, DRYING, ETC.
 Ingredient Sequence Number: 03
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

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 Physical/Chemical Characteristics
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Appearance And Odor: WHITE SOLID (POWDER); SLIGHT, CHARACTERISTIC ODOR.
 Melting Point: >261F,>127C
 Vapor Pressure (MM Hg/70 F): NEGLIGIBLE
 Vapor Density (Air=1): N/A
 Specific Gravity: SUPDAT
 Evaporation Rate And Ref: N/A
 Solubility In Water: NEGLIGIBLE
 pH: N/A

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 Fire and Explosion Hazard Data
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Flash Point: N/A
 Extinguishing Media: WATER SPRAY, DRY CHEMICAL.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL
 PROTECTIVE EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: POWDERED MATL MAY FORM EXPLO DUST-AIR MIXS.
 MIXING OF ORG SOLIDS (SUCH AS CELLULOSE ESTERS) IN NONPOLAR HYDROCARB (SUCH
 AS HEPTANE/TOLUENE) MAY RSLT IN (SUPDAT)

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 Reactivity Data
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Stability: YES
 Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: MATERIAL CAN REACT WITH STRONG OXIDIZING AGENTS.
 Hazardous Decomp Products: HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE,
 CARBON MONOXIDE.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

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 Health Hazard Data
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LD50-LC50 Mixture: LD50: (ORAL, RAT) >6400 MG/KG
 Route Of Entry - Inhalation: NO
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: INHALATION/EYES/SKIN: LOW HAZARD FOR USUAL
 INDUSTRIAL HANDLING OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. MOLTEN
 MATERIAL WILL PRODUCE THERMAL BURNS. INGESTION: EXPECTED TO BE A LOW
 INGESTION HAZARD.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanatoin Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
 Emergency/First Aid Proc: INGEST:CALL MD IMMED (FP N). INHAL:MOVE TO FRESH
 AIR. GET MED ATTN IF SYMPS PERSIST. EYES:WASH OUT IMMED W/WATER FOR AT
 LEAST 15 MIN. GET MED ATTN IF SYMPS PERSIST. SKIN: WASH W/SOAP & WATER. GET
 MED ATTN IF SYMPS OCCUR. IF BURNED BY CNTCT W/MOLTEN MATL, COOL AS QUICKLY
 AS POSS. DO NOT PEEL MATL FROM SKIN. GET MED ATTN. NOTE TO MD: BURNS SHOULD
 BE TREATED AS THERMAL BURNS. MATL WILL COME (SUPDAT)

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 Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: SWEEP OR SCOOP UP AND REMOVE.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO
 NATIONAL, STATE AND LOCAL LAWS. INCINERATE.
 Precautions-Handling/Storing: NO SPEC PRECAUTIONARY MEASURES SHOULD BE
 NEEDED UNDER ANTIC CNTDNS OF USE. KEEP CNTNR CLSD. CAUTION:FOR MFG,
 PROCESSING OR REPACKING BY TRAINED PERS.
 Other Precautions: KEEP FROM CNTCT W/OXIDIZING MATLS. MINIMIZE DUST
 GENERATION & ACCUM. REFER TO NFPA PAMPHLET NO 654, "PREVENTION OF FIRE &
 DUST EXPLO IN CHEM, DYE, PHARMACEUTICAL & PLASTICS INDUSTRIES." RECOM PRACT
 WHEN ADDING ORG SOLIDS (SUCH AS (SUPDAT)

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 Control Measures
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Respiratory Protection: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE
 DUST. IF RESPS ARE USED, PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE
 WITH OSHA STANDARD 29 CFR 1910.134.
 Ventilation: GOOD GEN VENT (TYPICALLY 10 AIR CHANGES PER HR) SHOULD BE
 USED. VENT RATES SHOULD BE MATCHED TO CONDITIONS. (ING 2)
 Protective Gloves: IMPERVIOUS GLOVES (FP N).
 Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
 Other Protective Equipment: EYE BATH, WASHING FACILITIES.
 Work Hygienic Practices: IT IS GOOD INDUS HYGIENE PRACT TO MINIMIZE SKIN
 CNTCT. WHEN MATL IS HEATED, WEAR GLOVES TO PROT AGAINST THERMAL BURNS.
 BUILDUP OF STATIC ELEC; CAN CAUSE FLASH FIRE/EXPLO. FIRST AID PROC:OFF AS
 CELLULOSE ESTERS) TO ANY FLAM LIQ THAT INERT GAS ATM BE MAINTAINED W/IN
 VESSEL. REFER TO NFPA PAMPHLET NO 69, EXPLO PVNTION SYS."

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 Transportation Data
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 Disposal Data
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Disposal Data Review Date: 89046
 Rec # For This Disp Entry: 01
 Tot Disp Entries Per NSN: 001
 Landfill Ban Item: YES
 Disposal Supplemental Data: EMERGENCY PHONE # AFTER 5 PM:(615)247-0411
 X4666. SPECIFIC GRAVITY:1.16 TO 1.26 ITEM NOT REGULATED AS A RCRA HAZARDOUS
 WASTE BY THE FEDERAL EPA, BUT MAY BE REGULATED IN CERTAIN STATES.
 1st EPA Haz Wst Name New: NOT REGULATED
 1st EPA Haz Wst Char New: NOT REGULATED BY RCRA
 1st EPA Acute Hazard New: NO

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 Label Data
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Label Required: YES
 Technical Review Date: 15MAY95
 Label Date: 15MAY95
 Label Status: G

Common Name: CELLULOSE ACETATE BUTYRATE 551-0.01, SPC 19347

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-Slight: X

Reactivity Hazard-None: X

Special Hazard Precautions: POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES. ACUTE: MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS. CHRONIC: NONE LISTED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

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