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 \_\_\_\_\_\_ General Information \_\_\_\_\_ 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 Ingredients/Identity Information 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: 99999992Z OSHA PEL: NOT APPLICABLE ACGIH TLV: NOT APPLICABLE \_\_\_\_\_ Physical/Chemical Characteristics Appearance And Odor: WHITE SOLID (POWDER); SLIGHT, CHARACTERISTIC ODOR. Melting Point: >261F,>127C Vapor Pressure (MM Hq/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 Fire and Explosion Hazard Data 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) Reactivity Data \_\_\_\_\_\_ 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 Health Hazard Data 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 Explanation 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) \_\_\_\_\_\_ Precautions for Safe Handling and Use \_\_\_\_\_ 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 CNDTNS 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) Control Measures 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." Transportation Data \_\_\_\_\_\_ \_\_\_\_\_\_ Disposal Data 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 \_\_\_\_\_ Label Data Label Required: YES Technical Review Date: 15MAY95 Label Date: 15MAY95 Label Status: G

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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 Label Name: EASTMAN CHEMICAL CO Label Street: WILCOX DR & LINCOLN ST Label P.O. Box: 431 Label City: KINGSPORT Label State: TN Label Zip Code: 37662 Label Country: US Label Emergency Number: 800-424-9300 (CHEMTREC)