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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: "TENITE" Butyrate 550E4861310

Product Identification Number(s): PLS 550E4861310

Manufacturer/Supplier: Eastman Chemical Company, Kingsport, Tennessee 37662

>MSDS Prepared by: Eastman Product Safety and Stewardship, Eastman Chemical
>Company, Kingsport, TN 37662

For Emergency Health, Safety, & Environmental Information, call 800-EASTMAN

For Other Information, call your Eastman representative or the Eastman operator at 423-229-2000 (USA)

Chemical Name: not applicable

Modular Formula: not applicable

Molecular Weight: not applicable

Product use: not applicable

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> 2. COMPOSITION/INFORMATION ON INGREDIENTS

>Weight % - Component - (CAS Registry Number)

>>75 cellulose acetate butyrate (009004-36-8)

><25 bis(2-ethylhexy) adipate (000103-23-1)

><1 colorant(s) (proprietary)

3. HAZARDS IDENTIFICATION

CAUTION!**MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS**

HMIS Hazards Ratings: Health - 1, Flammability - 1, Chemical Reactivity - 0

>NFPA Hazards Rating: Health - 1, Flammability - 1, Instability - 0

NOTE: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

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Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin: if burned by contact with the molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

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Ingestion: Seek medical advice.

Note to Physicians: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, dry chemical

Special Fire-Fighting Procedures: Wear self-container breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: none

6. ACCIDENTAL RELEASE MEASURES

Sweep or Scoop up and remove.

7. HANDLING AND STORAGE

Personal Precautionary Measures: No special precautionary measures should be needed under anticipated conditions of use.

Prevention of Fire and Explosion: Keep from contact with oxidization materials.

Storage: Keep container closed.

8. EXPOSURE CONTAINER/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV): not established

OSHA (USA) Permissible Exposure Limit (PEL, 1989 Table Z-1-A values or section-specification standards): not established

Ventilation: Good general ventilation (typically 10 air change per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dust, heating, drying, etc.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn.

Respirator type: Organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye Protection: It is a good industrial hygiene practice to minimize eye contact.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: solid (pellet)
 - Color: varies with formulation
 - Odor: slight
 - Specific gravity (water = 1): not applicable
 - Vapor Pressure: negligible
 - Vapor Density (Air = 1): not applicable
 - Evaporation Rate: not applicable
 - Boiling Point: not available
 - Softening Point: >125 C (>257F)
 - Viscosity at Ambient Temperature: not applicable
 - Solubility in Water: negligible
 - PH: not applicable
 - Octanol/Water Partition Coefficient: not available
 - Flash Point: not applicable, combustible solid
 - Lower Explosive Limit: not applicable
 - Upper explosive Limit: not applicable
 - Autoignition Temperature: not available
 - Sensitivity to Mechanical Impact: insensitive
 - Sensitive to Static Discharge: not available
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10. STABILITY AND REACTIVITY

Stability: stable

Incompatibility: Material can react with strong oxidizing agents.

Hazardous Polymerization: will not occur

11. TOXICOLOGICAL INFORMATION

Effect of Exposure:

General: Contains bis(2-ethylhexyl) adipate(DEHA). DEHA was administered to rats and mice in a lifetime bioassay sponsored by the U.S. National Toxicology Program (NTP). Extremely high feed concentrations (12,000 and 25,000 ppm) caused an increased incidence of liver tumors in female mice only. Previous long-term feeding studies in rats and dogs did not detect tumors. Further studies have shown that the liver tumors observed in mice probably arose from DEHA's effect on the liver biochemistry; these changes may not occur in humans. Therefore, in the absence of these liver effects, and since DEHA is a genotoxic, DEHA probably presents a negligible carcinogenic risk to humans exposure levels typical of occupational or consumer use.

Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

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Eyes: Low hazard for usual industrial handling or commercial handling by trained personnel.

Skin: Molten material will produce thermal burns.

Ingestion: Expected to be a low ingestion hazard.

12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

14. TRANSPORT INFORMATION

-DOT (USA) Status: not regulated

-TDG (CANADA) Status: Not regulated

-Air – International Civil aviation Organization (ICAO)

-ICAO Status: not regulated

-Sea – International Maritime Dangerous Goods (IMDG)

-IMDG Status: not regulated

15. REGULATORY INFORMATION

-This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

-OSHA hazardous chemical(s): none

-California Proposition 65(Safe Drinking Water and Toxic Enforcement Act of 1986): material(s) known to the State to cause cancer: none

-California Proposition 65(Safe Drinking Water and Toxic Enforcement Act of 1986): material(s) known to the State to cause adverse reproductive effects: none

-Massachusetts Substance List: bis(2-ethylhexyl) adipate

-New Jersey Workplace Hazardous Substance List: bis(2-ethylhexyl) adipate

-Pennsylvania Hazardous Substance List: bis(2-ethylhexyl) adipate

-This Document has been prepared in accordance with the MSDS requirements of the WHMIS Controlled Products Regulation.

-WHMIS (Canada) Ingredients Disclosure List: bis(2-ethylhexyl) adipate

-WHMIS (Canada) Status: noncontrolled

-Carcinogenic Classification (components present at 0.1% or more):

-International Agency for Research on Cancer (IARC): not listed

-American Conference of governmental Industrial Hygienists (ACGIH): not listed

-National Toxicology Program (NTP): not listed

-Occupational Safety and Health administration (OSHA): not listed

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-Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: 10% bis(2-ethylhexyl) adipate

-SARA (U.S.A.) Section 311 and 312 hazard classification(s): not applicable

>-Us Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

-European Inventory of Existing Commercial Chemical Substances (EINECAS): All components of this product are listed on EINECS. Any polymer intentionally present in this product has regulatory clearance under Directives of the European Union.

-Australian Inventory of Chemical Substances (AICS) and National Industrial Chemicals notification and Assessment Scheme (NICNAS): All components of this product are listed on AICS or otherwise comply with NICNAS.

-Japanese Handbook of Existing and New Chemical Substances: all components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

16. OTHER INFORMATION

Label Statements:

CAUTION!

MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS

Get medical attention if symptoms occur.

FIRST AID: If burned by contact with molten material, cool as quickly as possible. Do not peel from skin. Get medical attention.

Note to Physician: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

CAUTION: FOR MANUFACTURING, PROCESSING OR REPACKING BY TRAINED PERSONNEL

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protect of the environment.

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