

# EASTMAN

## MATERIAL SAFETY DATA SHEET

Revision Date: 08/07/2008

MSDSUSA/ANSI/EN/150000049470/Version 7.0

0034254950/0000427350

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Endex(TM) 155 Hydrocarbon Resin
<b>Product Identification Number(s)</b>	P7503401
<b>Manufacturer/Supplier</b>	Eastman Chemical Company 200 South Wilcox Drive Kingsport, TN 37660-5280 US +14232292000
<b>MSDS Prepared by</b>	Eastman Product Safety and Health
<b>Chemical Name</b>	hydrocarbon polymer
<b>Synonym(s)</b>	75034-00 800074
<b>Molecular Formula</b>	not applicable
<b>Molecular Weight</b>	not applicable
<b>Product Use</b>	adhesive, coatings, plastic additive
<b>OSHA Status</b>	nonhazardous

For emergency health, safety, and environmental information, call 1-423-229-4511 or 1-423-229-2000.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300 or call 423-229-2000.

### 2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

<u>Weight %</u>	<u>Component</u>	<u>CAS Registry No.</u>
100%	hydrocarbon resin	proprietary

### 3. HAZARDS IDENTIFICATION

CAUTION!

POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES

MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS

**HMIS® Hazard Ratings:** Health - 1, Flammability -1, Chemical Reactivity - 0

*HMIS® rating involves data 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. Treat symptomatically. Get medical attention if symptoms persist.

**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 occur. If molten material contacts the

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eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin:** Wash with soap and water. Get medical attention if symptoms occur. If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

**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, carbon dioxide

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

**Hazardous Combustion Products:** carbon dioxide, carbon monoxide

**Unusual Fire and Explosion Hazards:** Powdered material may form explosive dust-air mixtures.

**Sensitivity to Static Discharge:** Material may accumulate a static charge which could act as an ignition source.

### 6. ACCIDENTAL RELEASE MEASURES

Shovel up and place in a container for salvage or disposal.

**For Large Spills:** Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

### 7. HANDLING AND STORAGE

**Personal Precautionary Measures:** Avoid contact with molten material.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

**Storage:** Keep container tightly closed in a cool, well-ventilated place.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

*Country specific exposure limits have not been established or are not applicable unless listed below.*

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with

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an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Eye Protection:** It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

**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:** colorless

**Odor:** slight

**Specific Gravity:** 1.05 (25 °C)

**Softening Point:** 153 °C

**Viscosity:** 6,000 mPa.s (200 °C) ,

**Solubility in Water:** negligible

**Flash Point:** >285 °C (Cleveland open cup)

**Thermal Decomposition Temperature:** Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

### 10. STABILITY AND REACTIVITY

**Stability:** Not fully evaluated. Materials containing similar structural groups are normally stable.

**Incompatibility:** Material reacts with strong oxidizing agents.

**Hazardous Polymerization:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

*Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.*

### 12. ECOLOGICAL INFORMATION

*Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.*

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

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*Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.*

**DOT (USA)**

Class not regulated

**Sea - IMDG (International Maritime Dangerous Goods)**

Class not regulated

**Air - ICAO (International Civil Aviation Organization)**

Class not regulated

<b>15. REGULATORY INFORMATION</b>
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**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**WHMIS (Canada) Status:** noncontrolled

**SARA 313:** none, unless listed below

**Carcinogenicity Classification (components present at 0.1% or more):** none, unless listed below

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- TSCA (US Toxic Substances Control Act):** This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.
- DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act):** This product is listed on the DSL. Any impurities present in this product are exempt from listing.
- EINECS (European Inventory of Existing Commercial Chemical Substances):** This product is listed on EINECS or otherwise complies with EINECS requirements. Any polymer present in this product has regulatory clearance under Directives of the European Union.
- AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme):** This product is listed on AICS or otherwise complies with NICNAS.
- MITI (Japanese Handbook of Existing and New Chemical Substances):** This product is listed in the Handbook or has been approved in Japan by new substance notification.
- ECL (Korean Toxic Substances Control Act):** This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.
- Philippines Inventory (PICCS) :** This product is listed on the Philippine Inventory or otherwise complies with PICCS.
- Inventory of Existing Chemical Substances in China:** All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

### 16. OTHER INFORMATION

Visit our website at [www.EASTMAN.com](http://www.EASTMAN.com) or email [emmsds@eastman.com](mailto:emmsds@eastman.com)

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*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. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.*

*Highlighted areas indicate new or changed information.*