

# EASTMAN

## MATERIAL SAFETY DATA SHEET

Revision Date: 01/18/2002  
MSDSUSA/ANSI/EN/150000050784/Version 2.0  
0030319248/0000821294

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	"PICCO" AD-4100 Hydrocarbon Resin
Product Identification Number(s)	P7581705
Manufacturer/Supplier	Eastman Chemical Company, Kingsport, Tennessee 37662
MSDS Prepared by	Eastman Product Safety and Stewardship
Chemical Name	not applicable
Synonym(s)	800395
Molecular Formula	not applicable
Molecular Weight	not applicable
Product Use	plastic
OSHA Status	hazardous

For emergency health, safety & environmental information, call 800-EASTMAN.

For emergency transportation information, call CHEMTREC at 800-424-9300 or call 800-EASTMAN.

### 2. COMPOSITION INFORMATION ON INGREDIENTS

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

Weight %	Component	CAS Registry No.
95 - 100%	styrene hydrocarbon polymer	68239-99-6
0 - 1%	residual additives, modifiers, colorants, reactants, and/or impurities	not applicable
<0.5%	iodine	7553-56-2

### 3. HAZARDS IDENTIFICATION

WARNING!  
AT ELEVATED TEMPERATURES, VAPOR MAY CAUSE IRRITATION OF EYES AND RESPIRATORY TRACT  
MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS

**HMIS® Hazard Ratings:** Health - 2, Flammability -1, Chemical Reactivity - 0

*NOTE: 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:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.  
**Eyes:** If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.  
**Skin:** If burned by contact with molten material, cool as quickly as possible. Do not peel material from

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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

**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.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. (See Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION.) Sweep up and place in a container for chemical waste.

### 7. HANDLING AND STORAGE

**Personal Precautionary Measures:** Avoid breathing vapor from heated material. Avoid contact with molten material. Use only with adequate ventilation. Wash thoroughly after handling.

**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 closed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

#### IODINE

US. ACGIH Threshold Limit Values

Ceiling Limit Value: 0.1 ppm, 1.0 mg/m<sup>3</sup>

US. NIOSH: Pocket Guide to Chemical Hazards

Ceiling Limit Value and Time Period (if specified): 0.1 ppm, 1 mg/m<sup>3</sup>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Ceiling Limit Value: 0.1 ppm, 1 mg/m<sup>3</sup>

US. OSHA Table Z-1-A (29 CFR 1910.1000)

Ceiling Limit Value: 0.1 ppm, 1 mg/m<sup>3</sup>

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

NOTE: Some countries might not have established exposure limits.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits, 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: dust, organic vapor

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**Eye Protection:** Wear a face shield when working with molten material. Wear a full-face respirator, if needed.

**Skin Protection:** 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 (flake)

**Color:** amber

**Odor:** hydrocarbon

**Specific Gravity:** 1.04

**Softening Point:** 96.66 - 103.88 °C

**Solubility in Water:** negligible

**Flash Point:** > 176.66 °C (Cleveland open cup)

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

### 10. STABILITY AND REACTIVITY

**Stability:** Stable.

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

**Hazardous Polymerization:** will not occur

### 11. TOXICOLOGICAL INFORMATION

*Toxicity data are not available unless listed below.*

### 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

**Marine pollutant components:** none unless listed below

**DOT (USA):** Class not regulated

**ICAO Status:** Class not regulated

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IMDG Status: Class not regulated

### 15. REGULATORY INFORMATION

WHMIS (Canada) Status: controlled  
WHMIS (Canada) Hazard Classification: D/2/B

SARA 311-312 Hazard Classification(s):  
immediate (acute) health hazard

SARA 313: none, unless listed below

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

TSCA (US Toxic Substances Control Act): All components of this product are 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): One or more components of this product are not listed on the DSL.

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

### 16. OTHER INFORMATION

For other information, call your Eastman representative or the Eastman operator at 423-229-2000 (USA).

*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.*