

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: Window films w/ Proprietary IR Ceramic Coatings and PS Adhesive

Product No.: 35328-00

Synonyms, Trade Names: AIR 80 BL SR HPR, AIR65GNSRHPR, AIR75SRHPR, CTX® 05 CH SR HPR, CTX® 15 CH SR HPR, CTX® 30 CH SR HPR, CTX® 35 CH SR HPR, CTX® 40 CH SR HPR, CTX® 50 CH SR HPR, LS65GNSRCDF, LS75GNSRCDF, Pinnacle 05, Pinnacle 15, Pinnacle 30, Pinnacle 35, Pinnacle 40, Pinnacle 50, THE80

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Window films for application to glass.

Uses advised against: Application to non-glass surfaces.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

Eastman Chemical Company
200 South Wilcox Drive
Kingsport, TN 37660-5280 US
+14232292000

Visit our website at www.EASTMAN.com or email emmsds@eastman.com Visit our website at www.EASTMAN.com or email emmsds@eastman.com

Emergency telephone number:

For emergency health, safety, and environmental information, call 1-423-229-4511 or 1-423-229-2000. 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. For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300 or call 423-229-2000.

SECTION 2: Hazards identification

Hazard classification: The product has not been classified as hazardous according to the legislation in force.

OSHA Specified Hazards:

This product is a manufactured article
and is therefore exempt from 29 CFR
1910.1200

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3: Composition/information on ingredients

Substances / Mixtures

General information:

Chemical name	Concentration	Additional identification	Notes
polyester film	50 - 70%	CAS-No.: 25038-59-9	
polymerized release liner	20 - 35%	CAS-No.: proprietary	
adhesive	5 - 10%	CAS-No.: proprietary	
polyacrylate coating	1 - 5%	CAS-No.: proprietary	
ceramic coating	2 - 3%	CAS-No.: proprietary	
disperse dyes & UVA's	0 - 1%	CAS-No.: proprietary	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

Description of first aid measures

Inhalation: No specific first aid measures noted. Get medical attention if symptoms occur.

Eye contact: No specific first aid measures noted. Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Skin contact: No specific first aid measures noted. Wash with soap and water.

Ingestion: Not relevant, due to the form of the product.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed

Hazards: None known.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards: None known.

Extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Fire or excessive heat may produce hazardous decomposition products.

Advice for firefighters

Special fire fighting procedures: None known.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Environmental precautions: Avoid release to the environment.

Methods and material for containment and cleaning up: Sweep or scoop up and remove.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SECTION 7: Handling and storage:

Precautions for safe handling: Low hazard for usual industrial or commercial handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in closed original container in a dry place.

Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

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

Exposure controls

Appropriate engineering controls: 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.

Individual protection measures, such as personal protective equipment

General information: Provide eyewash station and safety shower.

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection: It is a good industrial hygiene practice to minimize skin contact. Wear suitable gloves. Wash hands after handling.

Other: None should be needed.

Respiratory Protection: None should be needed.

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical State:	Solid
Form:	Plastic Film
Color:	Various
Odor:	Odorless
Odor Threshold:	No data available.
pH:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	No data available.
Flammability Limit - Lower (%)-:	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Specific Gravity:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Dynamic Viscosity:	No data available.
Kinematic viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions:	None known.
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	None known.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	None known.
Ingestion:	None known.
Skin contact:	None known.
Eye contact:	None known.

Information on toxicological effects

Acute Toxicity

Oral

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) Oral LD-50: (Rat): > 3,200 mg/kg (highest dose tested)
Oral LD-50: (Mouse): > 3,200 mg/kg (highest dose tested)

Dermal

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) Dermal LD-50: (Guinea Pig): > 1,000 mg/kg

Inhalation

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Skin corrosion/irritation:

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) (Guinea Pig, 24 h): slight

Serious eye damage/eye irritation:

Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	(Rabbit): slight
Respiratory or skin sensitization:	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	Skin Sensitization:, (Guinea Pig) - none
Mutagenicity	
In vitro	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
In vivo	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Carcinogenicity	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Reproductive toxicity	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Specific target organ toxicity - single exposure	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Specific target organ toxicity - repeated exposure	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Aspiration hazard	
Product:	No data available.
Specified substance(s) poly(ethylene terephthalate)	No data available.
Other adverse effects:	No data available.

SECTION 12: Ecological information

Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Aquatic invertebrates

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Aquatic invertebrates

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Persistence and degradability

Biodegradation

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Biological Oxygen Demand:

Product No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Chemical Oxygen Demand:

Product No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

BOD/COD ratio

Product No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Bioaccumulative potential

Product: No data available.

Specified substance(s)

poly(ethylene terephthalate) No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

poly(ethylene terephthalate) No data available.

Results of PBT and vPvB assessment: No data available.

poly(ethylene terephthalate) No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Waste treatment methods

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: No data available.

SECTION 14: Transport information

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

Class not regulated

IMDG - International Maritime Dangerous Goods Code

Class not regulated

IATA

Class not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: noncontrolled

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List

OSHA: nonhazardous

TSCA (US Toxic Substances Control Act): Does not apply.(manufactured article)

SECTION 16: Other information

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.

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Training information: No data available.

Issue date: 07/25/2014

SDS No.:

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.