

MATERIAL SAFETY DATA SHEET

EASTMAN CHEMICAL RESINS, INC.
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800-EASTMAN (BUSINESS)

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

1 PRODUCT IDENTIFICATION

PRODUCT NAME PICCO® AP25 Hydrocarbon Resin
CHEMICAL DESCRIPTION aromatic hydrocarbon resin
CAS NUMBER mixture

2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredient	CASRN	Amount
petroleum hydrocarbon oil	proprietary	30 %

This product is shipped and delivered as a LIQUID or HOT LIQUID. THE HMIS HEALTH HAZARD RATING IN SECTION 16 IS FOR THE HOT MOLTEN or HOT LIQUID PRODUCT ONLY. The HMIS health hazard rating for the product at ambient temperature is 1 slight.

When shipped at elevated temperatures and delivered in HOT MOLTEN or HOT LIQUID form, refer to MSDS Sections 3, 4, 5, 7, and 8 for additional hazard information.

If this product is used in a manner that could generate an oil mist, refer to MSDS Section 8, Recommended Exposure Limits and Personal Protective Equipment.

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW DANGER!

HOT LIQUID product: Burns may cause irreversible eye injury and blindness.
Causes skin burns.
Inhalation of smoke or fumes may cause throat discomfort, coughing, or breathing difficulty.
Product may burn if ignited.

CAUTION!

LIQUID product at ambient temperature: Surfaces subject to spills may become slippery.

POTENTIAL HEALTH EFFECTS

LIQUID product at ambient temperature: May cause mild, temporary eye irritation.
May remove skin oils causing dryness.
Inhalation may cause respiratory tract irritation.
Ingestion may cause gastrointestinal irritation.
If swallowed, vomiting will cause lung damage.

Refer to Section 5 for Hazardous Combustion Products, and Section 10 for Hazardous Decomposition/Hazardous Polymerization Products.

PRODUCT NAME PICCOVAR® AP-25
MSDS NUMBER 866 2301 0200 VERSION 07 1 / 6

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305

4 FIRST AID MEASURES

SKIN

HOT LIQUID product: Immediately cool skin burns with water and cold packs for at least 15 minutes. Do NOT put ice directly on the skin. Do NOT attempt to remove solidified resin from the skin as severe tissue damage may result. Get immediate medical attention. See Note to Physician.

LIQUID product at ambient temperature: Wash thoroughly with soap and water. Get medical attention if irritation develops or persists.

EYE

HOT LIQUID product: Cool burns with plenty of low-pressure water. Get immediate medical attention.

LIQUID product at ambient temperature: Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.

INHALATION

Remove to fresh air. Get medical attention if irritation develops or persists. See Note to Physician.

INGESTION

Do NOT induce vomiting. Do not give anything by mouth. Get immediate medical attention. See Note to Physician.

NOTES TO PHYSICIAN

For HOT MOLTEN or HOT LIQUID product: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen and soften the material.

Aspiration into the lungs will result in chemical pneumonitis and may be fatal

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, dry chemical, foam, carbon dioxide or clean extinguishing agents may be used on fires involving this product.

FIRE FIGHTING PROCEDURES

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear when fighting fires involving this product.

Apply water to HOT MOLTEN or HOT LIQUID resin fires from a safe, protected location to avoid body contact with hot resin.

CONDITIONS TO AVOID

None known.

HAZARDOUS COMBUSTION PRODUCTS

If heated to combustion, the following substances may be formed: carbon monoxide , carbon dioxide , aldehydes , carboxylic acids and smoke

FLASH POINT

> 300 ° F Tag Closed Cup

6 ACCIDENTAL RELEASE MEASURES

For small spills: Add absorbent, sweep up, and dispose appropriately. Avoid wetting spills, as surfaces can become very slippery. For large spills: Dike to contain and pump into drums for use or disposal. In case of accidental spill or release, refer to Section 8, Personal Protective Equipment and General Hygiene Practices.

This product contains a petroleum hydrocarbon. Prevent runoff from spills or leaks entering navigable waters, streams or other bodies of water. If runoff occurs, notify the National Response Center (NRC) at 800-424-8802

7 HANDLING & STORAGE

GENERAL MEASURES

For HOT MOLTEN or HOT LIQUID product: Use personal protective equipment as indicated in Section 8: Exposure Controls/Personal Protection.
For LIQUID product: Store in a cool, dry, well-ventilated area at approximately 20° C (68° F).
Keep container closed when not in use.
Control inventory.
Rotate stock periodically.

MATERIALS OR CONDITIONS TO AVOID

Water contact with HOT MOLTEN or HOT LIQUID resin may result in foaming or spattering, which can cause eye or skin burns.
Keep away from heat, flame, sparks and other ignition sources.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

WORK PRACTICES & ENGINEERING CONTROLS

Eyewash fountains and safety showers should be easily accessible.
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations.
Keep floors clean and dry. Clean up spills immediately.

GENERAL HYGIENIC PRACTICES

Avoid contact with eyes, skin, and clothing.
Avoid breathing vapor, fumes or mist.
Do not swallow.
Avoid contamination of food, beverages, or smoking materials.
Wash thoroughly after handling, and before eating, drinking or smoking.
Remove contaminated clothing promptly and clean thoroughly before reuse.

RECOMMENDED EXPOSURE LIMITS

OIL MIST (MINERAL): This product contains a mineral (petroleum hydrocarbon) oil. If this product is used in a manner that could generate an oil mist, the OSHA TWA and TLV TWA of 5 mg/m³, and TLV STEL of 10 mg/m³, should be observed.

PERSONAL PROTECTIVE EQUIPMENT

Chemical goggles
Impervious gloves
Appropriate protective clothing
Appropriate respiratory protection is required when exposure to airborne contaminants may exceed acceptable limits. Respirators should be selected and used in accordance with OSHA, Subpart I (29 CFR 1910.134) and manufacturers recommendations.
Personnel exposed to HOT MOLTEN or HOT LIQUID material should wear protective clothing that provides protection against thermal burns. Required Protective Equipment: a) Longsleeved protective shirt, long pants, and work shoes; b) Hard hat and face shield; c) Long-cuff gloves (Gauntlet type-extending beyond the wrist); d) Lined rainsuit with protective hood or shoulder shroud or e) Full aluminized or thermal suit with hood.

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE

Completely isolate and thoroughly clean all equipment, piping, or vessels before beginning maintenance or repairs.
Keep area clean. Product will burn.

9 PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE: hot molten viscous liquid at 150-200° C (302-392° F) or viscous liquid

COLOR: dark amber

PRODUCT NAME PICCOVAR® AP-25

MSDS NUMBER 866 2301 0200 VERSION 07 3 / 6

ODOR	hydrocarbon
Specific Gravity	1.01 - 1.02
Vapor Pressure	negligible at 68° F
Evaporation Rate	slower than butyl acetate
Solubility In Water	negligible at 68° F
Softening Point	82 - 91 ° F

10 STABILITY & REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS

None known.

HAZARDOUS POLYMERIZATION

Not anticipated under normal or recommended handling and storage conditions

GENERAL STABILITY CONSIDERATIONS

Stable under recommended handling and storage conditions.

INCOMPATIBLE MATERIALS

None known

11 TOXICOLOGICAL INFORMATION

CARCINOGENICITY INFORMATION

Not listed as a carcinogen by NTP. Not regulated as a carcinogen by OSHA. Not evaluated by IARC.

REPORTED HUMAN EFFECTS

No human toxicity studies have been carried out with this product.

COMPONENT - petroleum hydrocarbon oil: Diarrhea following ingestion. Repeated or prolonged contact may cause skin and eye irritation. Aspiration into the lungs will cause chemical pneumonia.

REPORTED ANIMAL EFFECTS

No animal toxicity studies have been carried out with this product.

COMPONENT - hydrocarbon resin: Not toxic by OSHA/ANSI criteria based on acute animal peroral testing of this or a similar product (LD50 >500 mg/kg). Necropsy revealed effects on rat kidneys at test levels >1 g/kg.

MUTAGENICITY/GENOTOXICITY INFORMATION

No mutagenicity studies have been carried out with this product.

12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No ecological studies have been carried out on this product.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Incineration in accordance with applicable regulations is the recommended disposal method. Landfilling in a permitted solid or hazardous waste facility is a suitable alternative after solidification to remove free liquids. Disposal should be in accordance with applicable Federal, State and local regulations.

14 TRANSPORT INFORMATION

PRODUCT NAME PICCOVAR® AP-25

MSDS NUMBER 866 2301 0200 VERSION 07 4 / 6

GENERAL

This product is not subject to DOT, ICAO, IMDG or ADR regulations.

For specific information regarding transportation of this product, please contact the Hercules Transportation Department at (302) 594-7356 or FAX at (302) 594-7256.

15 REGULATORY INFORMATION

CHEMICAL INVENTORIES

U.S. TSCA: The components of this product are included on the TSCA Inventory.

SARA TITLE III - SECTIONS 302/304

This product is not an Extremely Hazardous Substance subject to reporting under 40CFR355.

SARA TITLE III - SECTION 311 AND 312

HC-1: Acute health hazard

NPH: Not a physical hazard

SARA TITLE III - SECTION 313

This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

CERCLA

This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40CFR302.4.

RCRA

This product is not a hazardous waste as listed in 40CFR261.33. It does not exhibit any of the hazardous characteristics listed in 40CFR261, Subpart C.

16 OTHER INFORMATION

HMIS RATINGS:

Health	3 Serious Hazard
Flammability	1 Slight Hazard
Reactivity	0 Minimal Hazard

LIST OF ACRONYMS

ACGIH: American Conferences of Governmental Industrial Hygienists

AIHA WEEL: American Industrial Hygienists Association-Workplace Environmental Exposure Level

ANSI: American National Standards Institute

CASRN: Chemical Abstracts Service Registry Number

CEPA: Canadian Environmental Protection Act

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act

DSL: Domestic Substances List (Canadian)

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

NDSL: Non-Domestic Substances List (Canadian)

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit (OSHA)

RCRA: Resource Conservation and Recovery Act

RQ: Reportable Quantity

SARA: Superfund Amendment Reauthorization Act

STEL: Short-Term Exposure Limit

TLV: Threshold Limit Values (registered trademark of ACGIH)

TPQ: Threshold Planning Quantity

TSCA: Toxic Substance Control Act

TWA: Time Weighted Average

DISCLAIMER

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.