

MATERIAL SAFETY DATA SHEET

EASTMAN CHEMICAL RESINS, INC.
Box 511
Kingsport, TN 37662
800-EASTMAN (BUSINESS)

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

1 PRODUCT IDENTIFICATION

PRODUCT NAME PICCOCIZER® 30M HYDROCARBON PLASTICIZER
CHEMICAL DESCRIPTION aromatic hydrocarbon oil
CAS NUMBER mixture

2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredient	CASRN	Amount
petroleum distillates, steam-cracked		
naphthalene	91-20-3	10 %

If this product is heated or used at temperatures sufficient to produce smoke or fumes, refer to MSDS Section 8, Recommended Exposure Limits and Personal Protective Equipment.

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

Combustible liquid
May cause eye irritation.
May cause skin irritation.
Surfaces subject to spills may become slippery.

POTENTIAL HEALTH EFFECTS

May remove skin oils causing dryness.
Inhalation may cause respiratory irritation, headache, disorientation and tremors.
Ingestion may cause nausea, vomiting, and gastrointestinal irritation.
If swallowed, vomiting will cause lung damage.
Prolonged or repeated exposure may result in absorption by skin contact, inhalation or ingestion causing effect to liver, kidneys, blood and eyes.

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

4 FIRST AID MEASURES

SKIN

Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Get immediate medical attention.

EYE

Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.

INHALATION

Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION

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

NOTES TO PHYSICIAN

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.

Cool containers with water to prevent rupture.

CONDITIONS TO AVOID

None known.

HAZARDOUS COMBUSTION PRODUCTS

Combustion products include: carbon monoxide, carbon dioxide and smoke

FLASH POINT > 180 ° F Pensky-Martin Closed Cup

AUTOIGNITION TEMPERATURE 910 ° F

6 ACCIDENTAL RELEASE MEASURES

Extinguish all sources of ignition. Wear self-contained breathing apparatus when entering spill area. Wear protective skin and eye protection. 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

Combustible. Bond containers during filling or discharge when performed at temperatures at or above the product flash point.

Storage area should conform to NFPA 30 and OSHA regulations for combustible liquid storage.

Avoid friction or rough handling.

Store in a cool, dry place: approximately 20° C (68° F).

Keep container closed when not in use.

MATERIALS OR CONDITIONS TO AVOID

Keep away from heat, flame, sparks and other ignition sources.

Avoid storing product near incompatible materials. See MSDS Section 10.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

WORK PRACTICES & ENGINEERING CONTROLS

Keep away from ignition sources.

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.

Avoid contamination of food, beverages, or smoking materials.

Do not swallow.

Wash thoroughly after handling, and before eating, drinking or smoking.

Remove contaminated clothing promptly and clean thoroughly before reuse.

Discard contaminated leather articles.

RECOMMENDED EXPOSURE LIMITS

ACGIH - Short Term Exposure Limits

naphthalene 15 ppm STEL

ACGIH - Skin Absorption Designation

naphthalene skin - potential for cutaneous absorption

ACGIH - Time Weighted Averages

naphthalene 10 ppm TWA

OSHA - Vacated PELs - Short Term Exposure Limits

naphthalene 15 ppm STEL; 75 mg/m³ STEL

OSHA - Vacated PELs - Time Weighted Averages

naphthalene 10 ppm TWA; 50 mg/m³ TWA

PERSONAL PROTECTIVE EQUIPMENT

Chemical goggles

Full face shield

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.

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE

Eliminate ignition sources.

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: liquid
COLOR: clear, yellow
ODOR: aromatic

Boiling Point 410 - 550 ° F
Specific Gravity 0.98 - 1.0
Vapor Pressure 0.15 mmHg at 68° F
Evaporation Rate slower than butyl acetate

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

Incompatible with: oxidizing agents

11 TOXICOLOGICAL INFORMATION

CARCINOGENICITY INFORMATION

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

COMPONENT - naphthalene: An NTP draft report states that lifetime inhalation exposure resulted in increased tumors of the nose in rats. Also lifetime inhalation exposure increased lung tumors in female mice. The relevance of these findings to humans is questionable.

REPORTED HUMAN EFFECTS

PRODUCT/SIMILAR PRODUCT - Slight dermal irritation was observed during a four-day repeated skin patch test.

COMPONENT - naphthalene: Irritant to skin, eyes, respiratory tract and gastrointestinal system. May be absorbed through the skin and mucous membranes causing central nervous system effects (headache, disorientation, convulsions). Chronic exposure may result in toxic effects to the eyes, blood, liver and kidneys. Ingestion can cause nausea, vomiting, disorientation, tremors, convulsions, hemoglobinuria, lenticular effects, and hemolytic anemia. Probable lethal dose for adults is 5-15 grams. Death may occur from respiratory failure. Inhalation of vapor may cause headache, loss of appetite, nausea, optic neuritis, corneal and lenticular eye damage, and kidney lesions. Aspiration into the lungs will cause chemical pneumonia.

REPORTED ANIMAL EFFECTS

PRODUCT/SIMILAR PRODUCT - Acute oral LD50 (rat): 2,622 mg/kg. Acute dermal LD50 (rabbit): > 2,000 mg/kg. Mildly irritating to rabbit eyes. Acute inhalation LC50 of saturated vapors (rats): > 1.67 g/m³ for six hours caused red nasal and lacrimal discharge and dark red lung foci. Rats exposed to distillate vapors at 330 mg/m³ for 21 days or 110 mg/m³ for 90 days showed no significant adverse effects. In a 21-day repeat oral study at 90-3,000 mg/kg caused gastrointestinal irritation in rats. Death occurred only at 3,000 mg/kg. In a 90-day repeated dose dermal (rat, mice) at 170-4,500 mg/kg, dose-related skin irritation was observed at application site. Depression of growth rates and deaths occurred at 1,500 mg/kg and 4,500 mg/kg.

COMPONENT - naphthalene: Acute oral LD50 (rats): 490 mg/kg; (mouse): 533 mg/kg; (guinea pig): 1200 mg/kg. Dermal LD50 (rat): > 2500 mg/kg; (rabbit): > 20 g/kg. Inhalation LC50 (rat): > 340 mg/m³/hour. Mild skin and eye irritant. Fetotoxic at levels that were maternally toxic.

MUTAGENICITY/GENOTOXICITY INFORMATION

No mutagenicity studies have been carried out with this product.

COMPONENT - naphthalene: Positive in IN VITRO tests: sister chromatid exchange with Chinese hamster ovary cells, with and without metabolic activation, and chromosome aberration in Chinese hamster ovary cells with metabolic activation. Negative in Ames test, with and without metabolic activation.

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

GENERAL

This product is subject to the hazardous materials regulations. For specific information regarding transportation of this product, please contact 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
HC-2: Chronic health hazard
HC-3: Fire hazard

SARA TITLE III - SECTION 313

CERCLA/SARA - Section 313 - Emission Reporting

naphthalene

form R reporting required for 1.0% de minimis concentration

CERCLA

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

naphthalene

final RQ = 100 pounds (45.4 kg)

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	2	Moderate Hazard
Flammability	2	Moderate 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
CASRN: Chemical Abstracts Service Registry Number
CERCLA: Comprehensive Emergency Response, Compensation and Liability Act
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: OSHA Permissible Exposure Limit
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.

MARKETED BY

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