

Product Name: Partially-Cracked Kerosene

Product Summary

Partially-cracked kerosene is a raw material for C9 petroleum resins, and is a liquid produced together with ethylene via naphtha cracking.

Characteristics

Physical properties of partially-cracked kerosene (mixture)

- Boiling point range: 60–220°C Flash point: 24–34°C Specific gravity: 0.9–0.93 (15°C)

Vinyltoluene

- Boiling point: 170–173°C Melting point: -77°C
- Vinyltoluene has three different isomers: o-vinyltoluene (1-ethenyl-2-methylbenzene), m-vinyltoluene (1-ethenyl-3-methylbenzene), and p-vinyltoluene (1-ethenyl-4-methylbenzene).
- It is a strong reducing agent and reacts vigorously with strong oxidizing agents or strong acids. It reacts vigorously with aluminum salts.

1H-Indene

- Boiling point: 182.6°C Melting point: -1.6°C Flash point: 49°C
- 1H-Indene is a polycyclic aromatic hydrocarbon with a five-membered ring that shares a double bond with a benzene ring.

Naphthalene

- Boiling point: 218°C Melting point: 80.2°C
 - Naphthalene is a polycyclic aromatic hydrocarbon made up of two benzene rings fused together.
 - It is a clear/white sublimable crystal. Azulene, an isomer of naphthalene, is a compound consisting of a fused seven- and five-membered ring.
 - Naphthalene is more susceptible to electrophilic substitution than benzene, and most of the resulting compounds are important intermediates for dyes.
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Properties

Yellow liquid with an aromatic odor

Storage Conditions, etc.

Keep away from direct sunlight and store in a well-closed container in a well-ventilated, cool, dark place. Do not store the container with oxidants, organic peroxides or similar. Do not place the container near heat sources such as a boiler or combustibles. Use explosion-proof electrical equipment in the storage location and ground all equipment.

Number Specified by the Act on the Regulation of Manufacture and Evaluation of

Chemical Substances

Partially-Cracked Kerosene: (9)-1821, Vinyltoluene: (3)-8, Indene: (4)-580, Naphthalene: (4)-311

CAS Registry Number

Vinyltoluene: 25013-15-4, Indene: 95-13-6, Naphthalene: 91-20-3

Relevant Laws and Regulations

the Industrial Safety and Health Act, the Fire Service Act, the Act on Prevention of Marine Pollution and Maritime Disaster, the Act for the Control of Export and Import of Specified Hazardous and Other Wastes, the Civil Aeronautics Act, the Ship Safety Act, the Port Regulations Act, the Foreign Exchange and Foreign Trade Act

Inquiries

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