



MATERIAL SAFETY DATA SHEET (MSDS)

Product: Distillate Aromatic Extract (DAE)

Supplier: Basekim

1. Identification

Use: Rubber process oil / plasticizer for industrial compounding. Emergency contact: (to be provided by supplier).

2. Composition / Information on Ingredients

Complex mixture of aromatic hydrocarbons obtained by solvent extraction of petroleum distillates. Contains polycyclic aromatic compounds (PAHs/PCA).

3. Hazards Identification

- Prolonged or repeated skin contact may cause irritation or dermatitis.
- Heated vapors/mist may irritate eyes and respiratory tract.
- Contains PAHs; chronic exposure concerns apply. Follow occupational exposure controls.
- Not highly flammable; will burn if heated strongly.

4. First Aid Measures

- Eyes: Rinse with water for at least 15 minutes; seek medical attention if irritation persists.
- Skin: Wash with soap and water; remove contaminated clothing. For hot-oil burns, cool immediately and obtain medical care.
- Inhalation: Move to fresh air; seek medical help if symptoms occur.
- Ingestion: Do not induce vomiting; rinse mouth and get medical advice.

5. Firefighting Measures

Suitable media: Foam, dry chemical, CO₂, water spray. Avoid direct water jets.

Combustion may produce CO, CO₂, smoke, and irritating fumes. Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

Wear protective equipment. Prevent entry to drains and waterways. Contain with sand/earth; collect in suitable containers for disposal per regulations.

7. Handling and Storage

Use with adequate ventilation, especially when heated. Avoid skin contact and inhalation



of mist. Store in sealed containers in a cool, dry, ventilated area away from ignition sources and oxidizers.

8. Exposure Controls / Personal Protection

Engineering controls: Local exhaust for hot operations. PPE: Chemical goggles, hydrocarbon-resistant gloves, protective clothing; respirator if mist/vapor may exceed limits.

9. Physical and Chemical Properties

Property	Typical Value
Appearance	Dark brown to black liquid
Odor	Aromatic hydrocarbon
Flash Point (COC)	230 – 250 °C
Viscosity @ 100 °C	25 – 40 cSt
Density @ 15 °C	0.970 – 1.010 g/cm ³
Pour Point	+15 – +30 °C
Aniline Point	45 – 65 °C

10. Stability and Reactivity

Stable under normal conditions. Avoid strong oxidizing agents. Thermal decomposition can generate CO/CO₂ and hydrocarbons.

11. Toxicological Information

Prolonged skin exposure may cause irritation; repeated exposure may lead to dermatitis. Inhalation of mist/vapors may irritate respiratory system. Contains PAHs; evaluate chronic exposure per local regulations.

12. Ecological Information

Low water solubility; may persist in environment. Harmful to aquatic life at high concentrations. Prevent releases to soil or waterways.

13. Disposal Considerations

Dispose via licensed waste contractor in accordance with local regulations. Do not discharge to drains or surface water.

14. Transport Information

Generally not classified as dangerous goods; confirm per local/route regulations. Keep containers sealed and properly labeled.



15. Regulatory Information

Subject to chemical safety and environmental regulations. Note: High-PCA oils are restricted in certain tire applications; verify compliance requirements in the destination market.

16. Other Information

Data represent typical values; actual batch results may vary. Always consult the current COA and local regulations before use.