



Asphalt Cement

1. Production Data	
Trade Name	AC35-45, AC30-50, AC40-50, AC50-60, AC60-70, AC80-100, AC120-150, AC50-70
Chemical Name	Asphalt Cement
Chemical Formula	Not Applicable

2. Chemical Classification	
U.N. Number	3257
CAS Number	8052-42-4
Cancer Material	Not Applicable

3. Physical and Chemical Data	
Boiling Point °C	Not Applicable
Melting Point °C	Not Applicable
Vapour Pressure	Not Applicable
Solubility in Water	Insoluble
Density	1.00 – 1.10 kg/L at 25 °C
Appearance Colour and Odor	Black, Highly Viscous Semi-solid with characteristic tarry Odor; Solid at Ambient Temperature
pH-Value	Not Applicable

4. Fire and Explosion Hazard Data	
Flash Point	318 °C (COC)
Flammable limits	
- Lower Explosive Limit (LEL) %	0.9 % V/V
- Upper Explosive Limit (UEL) %	7.0 % V/V
Autoignition Temperature	318 °C
Chemical Reactivity	Not Applicable
Materials to Avoid	Water
Hazardous Decomposition Products	Hydrocarbon

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5. Health Hazard Data	
Way of Exposure	Skin, Eye, Ingestion and Inhalation
Effects of Overexposure	Hot asphalt burns skin and eye. Prolonged or repeated skin contact may cause irritation.
Safety Standard TLV	Not Applicable

6. Safety Measures	
Special Protection Information	
- Fire and Explosion Prevention	To avoid excessive heat approaching flash point.
- Ventilation	Use local exhaust to capture vapor, mists of fumes, if necessary, provide ventilation sufficient to prevent exceeding recommended exposure limit or build up of explosive concentrations of vapor in air. No smoking, or of flame other ignition sources.
- Respiratory Protection	Normally not needed. If hydrogen sulphide concentration exceeds 10 ppm or asphalt fumes exceed .5 mg/m ³ , wear self-contained or air-supplied breathing apparatus.
- Hand Protection	Use chemical and heat resistant gloves, if needed, to avoid prolonged or repeated skin contact particularly in molten state.
- Eye Protection	Use splash goggles or face shield when eye contact may occur.
- Other Protection	Use chemical and heat resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

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First Aid	
- Skin	For hot asphalt splash, cool part by water immersion or shower. Do not attempt remove of asphalt from part but spit longitudinally, if circumferential, to avoid tourniquet effect. For skin soiling without underlying burn, cleanse with mineral oil followed by soap and water. Use olive oil in vicinity of the eye.
- Eye	Copious warm water flush for 15 minutes. Physician assessment if eyes are inflamed. Cleanse soiling with olive oil.
- Inhalation	Evacuate to fresh air. Apply cardio-pulmonary resuscitation if required. Physicians assessment madatory.
- Note to Physician	No attempt should be made to remove firmly adhering bitumen form the skin. Once the bitumen has cooled, it will do no further harm and in fact provides a sterile covering over a burnt area. As healing take place, the place, the bitumen plaque will detach if self, usually after a few days. If solvent treatment is used, it should be followed by washing with soap and water, then the application of a proprietary refatting agent or skin cleansing cream. Only medically approved solvents may be used to remove bitumen from burns, as other solvents could cause further skin damage.

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7. Special Instructions	
Handling and Storing	Avoid skin and eye contact. During storage or transit of hot asphalt, hydrogen sulphide may accumulate in enclosed spaces such as tank cars. Open tank car hatches with caution. Avoid inhalation. Maintain same precautions when gauging and sampling.
Corrosiveness	None
Spill and Leak Procedures	Avoid contact. Use full protective equipment and breathing apparatus. Allow to cool and solidify (Solvent evaporates). Break up and recover. Scoop up into drums. DO NOT FLUSH TO SEWER.
Disposal Methods	Dispose in approved landfill site or licensed waste reclaimer facility.
Extinguishing Media	Foam, dry chemical, water spray, carbon dioxide for small fires.

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