

REJUVOIL 2

HOT IN-PLACE ASPHALT REJUVINATING OIL

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REJUVOIL 2 offers the following features and benefits for asphalt Hot In-Place Recycling applications:

- ◆ Fully refined, non-WHMIS controlled product for employee and workplace safety
- ◆ High flash point for improved smoke control in service
- ◆ Low pour for improved handling; eliminates the need for heated systems
- ◆ Performance proven in field service and laboratory hot mix studies

Primary Applications

Hot In-Place Recycling (HIPR) is a continuous, on-the-road recycling process which rehabilitates old pavements at a cost lower than conventional plant-mixed recycling. HIPR uses a train of vehicles that heats and mills the old pavement, meters in a rejuvenating agent, adds virgin aggregate and, if needed, fresh asphalt cement, and replaces the new surface. Rejuvenating agents are added to soften the aged asphalt and to restore the asphalt cement to its original consistency.

REJUVOIL 2 is a fully refined, non-toxic HIPR rejuvenating oil which can be used at low treat rates to achieve the required degree of asphalt cement softening while maintaining good Marshall hot mix properties. REJUVOIL 2 is a low volatility product (high flash point and high boiling point distillation) which helps control emissions and smoke formation in this high temperature mixing operation. REJUVOIL 2 can be handled at low temperatures and the need for heated systems is eliminated.

Laboratory hot mix studies have demonstrated the effectiveness of Imperial Oil's REJUVOIL 2 at low treat rates. Field use has confirmed the laboratory studies.

Precautions

REJUVOIL 2 is manufactured from fully refined petroleum. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact with the skin, splashing into the eyes, ingestion, or vapour inhalation. Please refer to the Esso Material Safety Data Sheet for further information.

Note: This product is NOT controlled under the Canadian WHMIS legislation.

Typical Properties:

Density, 15°C, kg/m ³	868.1
Absolute Viscosity cP @ 60°C	11.9
Flash Point, COC, °C/°F	210/410
Minimum Pumping Temperature °C/°F	5/40
Composition, wt% Saturates	87
Distillation, °C/°F	
IBP	358/676
50% off	417/783
Carbon Type Analysis	
Carbon Atoms in Aromatic Rings %	2.5
Carbon Atoms in Naphthenic Rings %	32.2
Carbon Atoms in Paraffinic Structures %	65.3

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.