



TECHNICAL DATA



Technical Data

RejuvaShield meets FAA's P-632 Specification, Engineering Brief No. 44B and TXDOT specification for sealer / rejuvenators.

COMPOSTION

ASTM D490 Specially Refined Bitumen R12 (35% - 50%)

Petroleum Distillate (32% - 42%)

Rejuvenator (15% - 40%)

RejuvaShield has the following bituminous material property requirements:

Specific Gravity	ASTM D70 / T0603	1.04 minimum - 1.08 maximum	< 20
Engler Viscosity	ASTM D1665 / T0622	8.0 maximum	20 - 50
% Water by Volume	ASTM D95 / T0612	2.0 maximum	40 - 60
Softening Point	ASTM D36 / T0606	65 maximum	
Distillation % by weight	ASTM D20 / T0641	To 170°C	
		To 270°C	
		To 300°C	

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Odor	Hydrocarbon Odour (no Nitrogen nor Sulphur Odor)
Odor Threshold	Not Available
Specific Gravity	>1.03
Vapor Pressure (mm Hg)	Not Available
Vapor Density (AIR = 1)	>1
Evaporation Rate	Not Available
Boiling Point (oC)	>133°C
ph	7-8
Solubility in Water (%W / W)	Negligible
Coefficient of Water \ Oil	1-2%;
Distribution Freezing Point (oC)	Not Available
Flashing Point (oC)	≥38oC
Molecular Weight	Not Available

STABILITY AND REACTIVITY

Hazardous Polymerization	Not Applicable
Stability	Keep away from heat, sparks, open flames.
Incompatibility	Incompatible with strong acids, strong bases, strong oxidizing agents.
Reactivity Conditions	May ignite if over heated or in the presence of strong oxidizers.
Hazardous Products of Decomposition	Carbon Monoxide, Carbon dioxide

TOXICOLOGICAL INFORMATION

Irritancy of material	Refer to route of entry.
Sensitizing Capability of Material	None known
Carcinogenicity of Material	Petroleum fraction includes many naturally occurring polycyclic aromatic hydrocarbons (PAH's). Certain species of PAH's have been implicated in the incidence of skin cancer in test animals, if exposed to large amounts for over a long period.
Teratogenicity	None known
Mutagenicity	None known
Reproductive Effects	None known
Synergistic Materials	None known

ECOLOGICAL INFORMATION

U.N.	#1999
Transport Dangerous Goods Classification	3

REGULATORY INFORMATION

U.S. Federal Regulations	Hazardous Material Identification System Classification Health - 2, Flammability - 2, Reactivity - 0.
International Regulations	Not regulated
State Regulations	Not regulated
Workplace Hazardous Materials Information System Classification	B3, D2A
Cardiopulmonary Resuscitation Compliance	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made to the information contained herein.