



MATERIAL SAFETY DATA SHEET

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**THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS OR
THE TRANSPORTATION DANGEROUS GOODS REGULATIONS**

SECTION 1 MATERIAL IDENTIFICATION

TRADE NAME: METALSAFE S-300®

CHEMICAL FAMILY: Water suspension of petroleum derived hydrocarbons (polymer modified emulsified asphalt) and inert fillers.

MATERIAL USE: Single component protective coating.

T.D.G. CLASSIFICATION: NONE - NOT REGULATED

WHIMIS CLASSIFICATION: NONE – NOT REGULATED

EMERGENCY TELEPHONE #: 1-905-829-1133

SECTION II HAZARDOUS INGREDIENTS

COMPONENT	CAS#	% (BY MASS)	LD50 (mg/kg) (rat dermal)	LD50 (mg/kg) (rat oral)
Complex Bituminous mixture	9072-35-9 8052-42-4	40-70	>2,000	>5,000
Anionic surfactants	143-18-0	0.5-2.0	2,000	5,000
Water	7732-18-5	20-50	n/a	n/a
Complex blend of Dispersed polymers	9003-55-8 9010-98-4	5-25	>2,000	>7,000



SECTION III PHYSICAL PROPERTIES

Odour and appearance: Brown liquid, slight resinous odour.

Odour threshold: n/a

Specific gravity: 1.03 (approx.).

Viscosity: 12,000-20,000 CPs (Brookfield)

Vapour pressure (mm Hg): 17 @20°C (water)

Boiling point: 100°C (water)

Freezing point: 0°C

pH: 10-13

Vapour density (air = 1): >1

Evaporation rate (nBuAcetate = 1): <1

Volatiles %: 25-40 (water)

Solubility in water: partially soluble

SECTION IV FIRE & EXPLOSION DATA

Means of extinction: N/A (non-combustible)

Sensitivity to mechanical impact/static discharge: N/A

Flash point (method): N/A

Upper flammable limits % : N/A

Lower flammable limits % : N/A

Auto ignition temperature: N/A

Special fire fighting instructions: N/A

Unusual fire and explosion hazards: Product will not burn but may splatter if temperature exceeds the boiling point.

SECTION V - REACTIVITY DATA

Chemical stability: Stable

Incompatible materials: Will react with alkaline sensitive materials such as acids and certain metals. Long term contact, such as extended immersion of reactive metals such as aluminium or magnesium in the liquid form could result in gas formation..

Hazardous decomposition products: Avoid heating the cured product above 200°C. At elevated temperatures hazardous vapours can be released, including carbon monoxide, hydrogen chloride, organic acids and aldehydes.

Hazardous polymerization: Will not occur.

SECTION VI - HEALTH INFORMATION

Exposure limit: N/A

Inhalation: N/A

Skin: adhesion

Eyes: adhesion, irritation.

Ingestion: Blockage of digestive and/or respiratory tract.

Chronic effects: N/A



EMERGENCY AND FIRST AID PROCEDURES

Inhalation: N/A

Skin: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention..

Eyes: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION VII SPILL PROCEDURES

In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.

Waste disposal method: Follow federal, provincial and local regulations regarding disposal.

SECTION VIII SPECIAL PROTECTION

Respiratory protection: This product contains no volatile organic compounds

Ventilation: No special conditions required

Protective gloves: Recommended

Eye protection: Safety glasses/splash goggles strongly recommended

Other protective equipment: Long sleeves, loose clothing recommended.

SECTION IX SPECIAL PRECAUTIONS

Storage and handling conditions: Keep containers tightly closed when not in use.

Special shipping information: Not regulated by the Transportation of Dangerous Goods Regulations.

Prepared by: **Advanced Protective Coatings Inc.**

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