



**NELSON
AGGREGATE
CO.**

2433 NO. 2 Side Rd., P.O. Box 1070, Burlington, ON L7R 4L8
Phone: 905-335-5250 -800-263-6320

(THIS PRODUCT NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS)

SECTION I MATERIAL IDENTIFICATION

PRODUCT NAME: Hot Mix Asphalt

SYNONYM: Driveway, HL 2, HL 3, HL 3A, HL 3 Fine, HL 4, HL 6, HL 8, MDBC, HDBC, DFC, OFC, HL 1, HL 1 Modified, Superpave Mixes, SMA Mixes

PRODUCT USE: Paving of roads, parking lots, driveways, etc.

T.D.G. CLASSIFICATION: NON REGULATED

WHIMIS CLASSIFICATION: NON REGULATED

EMERGENCY TELEPHONE #: CANUTEC (613) 996-6666

SECTION II HAZARDOUS INGREDIENTS

COMPONENT	CAS# %	(BY MASS)	LC50 ppm (rat inhal)	LD50 mg/kg (rat oral).
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SECTION III PHYSICAL DATA

Physical State: Semi-Solid

Odour and appearance: Black, viscous semi-solid with characteristic asphaltic odour.

Odour threshold: n/a

Specific gravity: n/a

Coefficient of water/oil distribution: n/a

Vapour pressure (mm Hg): Negligible

Boiling point: n/a

Freezing point: n/a

pH: n/a

Vapour density (air = 1): n/a

Evaporation rate (nBuAcetate = 1): n/a

Volatiles % : 0

Solubility in water: insoluble

SECTION IV FIRE & EXPLOSION DATA

Flammability: Yes, when heated excessively (to flash point)

Means of extinction: Preferred – Dry Chemical, Other – CO₂, Chemical Foam

Sensitivity to mechanical impact/static discharge: n/a

Flash point (method): Open Cup:>175C (350F), ASTM D92, Cleveland

Upper flammable limits % : n/a

SECTION IV FIRE & EXPLOSION DATA (cont'd)

Lower flammable limits % : n/a

Auto-ignition temperature: n/a

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, oxides of sulphur.

Fire Hazards in Presence of Various Substances: Flash point is dependent on grade of asphalt. Keep asphalt from ignition sources and oxidizing materials such as fluorine.

Special fire fighting instructions: Use dry chemicals, CO₂ or chemical foam on small fires. Large fires require the use of water spray, fog or foam. Self-contained breathing apparatus is required to avoid prolonged inhalation of fumes emanating from fire.

Unusual fire and explosion hazards: n/a

SECTION V STABILITY & REACTIVITY DATA

Chemical stability: Stable under normal handling and storage conditions.

Conditions to avoid: Avoid excessive heat approaching flash point.

Incompatible materials: Water (when hot), Strong Acids, Alkalis and Oxidizers.

Corrosivity: Non-corrosive to metals.

Hazardous decomposition products: n/a

Hazardous polymerization: n/a

SECTION VI TOXICOLOGICAL PROPERTIES

Route of entry: skin contact, eye contact, and inhalation

Effects of acute exposure to product: Hot material can severely burn skin and eyes on contact. Acute exposure to cool material not expected to produce adverse effects

Effects of chronic exposure to product: Fumes from hot material may cause nausea, headache, dizziness and irritation to eyes and upper respiratory tract.

Exposure limits: TLV's, asphalt fumes<5mg/m³, hydrogen sulfide<14mg/m³.

Irritancy of product: Skin, prolonged exposure to cool material may cause dermatitis.

Carcinogenicity: Not listed by IRAC or ACGIH as carcinogen.

Sensitization to Product: n/a

Teratogenicity: n/a

Reproductive Toxicity: n/a

Mutagenicity: n/a

Synergistic Products: n/a

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Evacuate to fresh air. Apply cardio-pulmonary resuscitation if required. Seek immediate medical attention.

Skin: For hot asphalt splash, cool part by ice-water immersion or cold shower. Do not attempt removal of asphalt. For serious burns, treat for shock by laying victim down, preferably with feet elevated, and keeping him or her warm. IMMEDIATE MEDICAL ATTENTION IS ESSENTIAL. For skin soiling without underlying burn, clean with medical grade mineral oil, baby oil, or edible oil.

SECTION VII EMERGENCY AND FIRST AID PROCEDURES (cont'd)

Notes to Physician: No attempt should be made to remove firmly adhering bitumen from 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 takes place, the bitumen plaque will detach itself, usually after a few days. If solvent treatment is used, follow by washing with soap and water, then apply a proprietary re-fattening 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.

Eyes: Flush with water for at least 15 minutes, keeping eyelids open. Seek medical aid. Rub gently with medical grade mineral oil.

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION VIII 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 IX SPECIAL PROTECTION

Respiratory protection: In emergency situations, use air-supplied respirator

Ventilation: Sufficient ventilation to maintain airborne concentrations of asphalt and sulphide fumes below $5\text{mg}/\text{m}^3$ and $14\text{mg}/\text{m}^3$, respectively.

Protective gloves: Insulated oil-impervious type recommended.

Eye protection: safety glasses/splash goggles recommended

Other protective equipment: Long sleeves, loose clothing recommended.

Clothing: Long-sleeved shirt, cuff-less pants or overalls

SECTION X SPECIAL PRECAUTIONS

Handling Procedures and Equipment: Emergency shower and eyewash fountains should be available within vicinity of any potential exposure to hot material.

Storage Requirements: Do not store with strong oxidizers or light hydrocarbons in immediate vicinity.

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

Prepared by: Brian Caverson
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