

Material Safety Data Sheet (MSDS)

SECTION I

MATERIAL IDENTIFICATION AND USE

Material Name/Identifier: QPR®

Material Use: Repairing asphalt pavement, driveways and parking lots

Trade Name/Synonyms: Quality Pavement Repair®

Manufacturer/Supplier Name: Lafarge, NA.

Address: 12735 Morris Road Extension, Alpharetta, GA 30004

Telephone: 800-388-4338

Emergency Telephone: 800-424-9300 (United States) 613-996-6666 (Canada)

Supplier's Name/Address: Same

TDG Classification: Not regulated

WHMIS Classification: Non-Controlled Product

SECTION II

HAZARDOUS INGREDIENTS DEFINED IN HPA

Ingredient: Approx Weight: C.A.S. Number:

Liquid Petroleum Asphalt 3.5% 8052-42-4

Petroleum Hydrocarbon Mixture 1.5% 68334-30-5

Aggregate 95.0% 1317-65-3

ACGIH TLV Concentration: N/A

PEL: N/A

SECTION III

PHYSICAL DATA FOR MATERIAL

Physical State: Granular solid

Odor and Appearance: Petroleum odor, black tarry appearance

Odor Threshold: 1ppm

Specific Gravity: 2.6 to 2.8

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Boiling Point: 563°-1301°F (295-705°C)

Freezing Point (°C): N/A

pH: N/A

Percentage Volatile (By Volume): 1%
(approximately)

Coefficient of Water/Oil Distribution: Insoluble in water

SECTION IV

FIRE AND EXPLOSION DATA

Conditions of Flammability: N/A

Means of Extinction: N/A

Flashpoint: N/A

Upper /Lower Flammable Limit: N/A

Auto-Ignition Temperature: N/A

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

Sensitivity to Mechanical Impact: N/A

Sensitivity to Static Discharge: N/A

SECTION V

REACTIVITY DATA

Chemical Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing materials

Reactivity, and Under What Conditions: Non-reactive

Hazardous Decomposition of Byproducts: Carbon monoxide, Carbon Dioxide, Aldehydes and other unidentified compounds may form upon combustion

Hazardous Polymerization: Will not occur

SECTION VI

TOXICOLOGICAL PROPERTIES

Primary Routes of Entry: Skin contact, Eye contact, Inhalation

Effects of Acute Exposure to Fumes: Headache, dizziness, nausea and irritation of skin, eyes and upper respiratory tract.

Effects of Chronic Exposure to Material: Repeated or prolonged exposure to fumes can cause liver or kidney damage. May cause defatting and dermatitis of skin.

Exposure Limits: TWAEV; Asphalt fumes – 5 mg/m³; H₂S fumes – 14 mg/m³

Sensitization to Material: NA

Carcinogenicity: Not listed as carcinogen by IARC, ACGIH, NTP and OSHA Hazard Communication Standard, 29 CFR 1910.200 (US)

Teratogenicity: N/A; **Reproductive Toxicity:** N/A

Mutagenicity: N/A; **Synergistic Material:** N/A

SECTION VII

PREVENTIVE MEASURES (Personal Protective Equipment:)

Gloves: Oil-impervious type

Eye: Chemical safety goggles

Respiratory: Use full-face organic vapor cartridge type if fumes exceed limits

Clothing: Long-sleeved shirt, cuffless pants or coveralls

Engineering Controls: Provide sufficient ventilation in confined/enclosed area. Use explosion-proof local

exhaust as required to maintain allowable limits of fumes.

Leak and Spill Procedure: Contain spill. Remove all sources of ignition. DO NOT FLUSH to sewers. Shovel into drums for re-use or disposal. Provide adequate ventilation of affected area. Use full protective equipment and breathing apparatus.

Waste Disposal: Dispose of waste to approved landfill site or to licensed reclaimer in accordance with local/government requirements.

Handling Procedures and Equipment: Use only in well-ventilated areas. Refer to "Personal Protective Equipment-Respiratory".

Storage Requirements: Store in well-ventilated area in closed containers away from ignition sources and strong oxidizing materials.

Special Shipping Information: N/A

SECTION VIII

FIRST AID MEASURES

Inhalation: Evacuate to fresh air. Apply cardiopulmonary resuscitation or oxygen if required. Seek medical attention if resuscitation required.

Skin Contact: Remove clothing and wash affected area thoroughly with soap and water. Do not use solvents to remove asphalt. In case of contact with hot material, cool part with water. DO NOT ATTEMPT TO REMOVE COOLED ASPHALT. Obtain immediate medical attention.

Eye Contact: Flush with warm water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Ingestion: Not expected to be a route of entry. If ingested, drink 250 ml of water. DO NOT INDUCE VOMITING. Obtain medical attention.

SECTION IX

PREPARATION OF MSDS

Prepared By: DBA Engineering Ltd.

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This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied is hereby made. Recommended industrial hygiene and safe handling procedures are believed to be valid in the context of the intended use as described. It is incumbent upon each user to evaluate specific circumstances and to determine whether these recommendations are appropriate.

Abbreviations: N/A – Not Applicable or Not Available

NIOSH – National Institute for Occupational Health and Safety

IARC – International Agency for Research on Cancer

TLV – Threshold Limit Values

ACGIH – American Conference of Governmental Industrial Hygienists

NTP – National Toxicology Program

OSHA – Occupational Safety and Health Administration