

PETROPEN 85/100

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

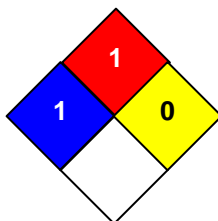
Product Name PETROPEN 85/100

Manufacturer PETRON CORPORATION
Jesus St., Pandacan, Manila

Chemical Family Petroleum Asphalt

Product Type Asphalt Cement

Emergency Phone No. (632) 563-31-21

NFPA Hazard Identification


Hazard	Degree of Hazard
Blue - Health	0 - Least
Red - Flammability	1 - Slight
Yellow - Reactivity	2 - Moderate
White - Special	3 - High
	4 - Extreme

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition In general, the product does not contain any component that may be a significant health and safety hazard as long as normal precautions in handling petroleum products are observed and good standards of industrial and personal hygiene are maintained. In the event of a medical emergency, compositional information will be provided to the attending physician or nurse if necessary.

SECTION 3: HAZARDS IDENTIFICATION

General Information Asphalts are made up of asphaltenes, resins and other hydrocarbons that are suspected carcinogens. However there are no available data on the effects on humans that can be attributed to exposure to asphalt alone

Primary Entry Routes Inhalation of dust and fumes, eye and skin contact

Target Organs Eyes, skin, respiratory system

Eye Contact Irritating to the eyes on direct contact.

Skin Contact Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition. Skin exposure to hot product will cause thermal burns.



Inhalation	High vapor/aerosol concentrations attainable at elevated temperatures well above ambient are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Toxic by inhalation of asphalt fumes.
Ingestion	Small amounts of these products aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Workplace Exposure Limits	There are no limits established for these products. Exposure to asphalt fumes as well as mineral oil mists must not go beyond a concentration of 5 mg/m ³ .

SECTION 4: FIRST AID MEASURES

Eye Contact	Flush eyes immediately with large amount of water for at least 15 minutes or until irritation subsides. If irritation persists, get medical attention.
Skin Contact	Wash contaminated area thoroughly with soap and water. Remove contaminated clothing, including shoes, and launder before reuse.
Inhalation	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.
Ingestion	Do not induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point, COC, °C	290
Extinguishing Media	In case of fire use foam, carbon dioxide, dry chemical extinguishers.
Special Fire-fighting Procedures	Use water spray to cool fire exposed surfaces and to protect personnel. Avoid spraying water directly into containers due to danger of boil -over.
Decomposition Products under Fire Conditions	Fumes, with oxides of sulfur, carbon and other gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill	Prevent additional discharge of material if possible to do so without hazard. Contain spills immediately and prevent spill from entering sewers, water courses or low areas. Advise the relevant authorities and take measures to minimize the effects on ground water. Contain spills with sand or earth or with a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
Water Spill	Confine the spill immediately with booms. Remove from surface by skimming. Disperse the residue in unconfined waters if permitted by local



authorities. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations

SECTION 7: HANDLING AND STORAGE

Handling Procedures	Keep away from potential sources of ignition. Open container in a well-ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling.
Storage Procedures	Store in a cool, clean, dry place with adequate ventilation away from sources of ignition.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Special Precaution	Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.
Ventilation	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.
Gloves Protection	Use chemical resistant gloves.
Eye Protection	For open systems where contact is likely, wear safety glasses with side shield.
Respiratory Protection	Where concentrations in air may exceed workplace exposure limits, NIOSH/MSHA approved respirators should be used to prevent overexposure by inhalation.
Other Information	Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Black
Appearance	Homogenous
Density at 15°C, kg/l	1.03
Penetration at 25°C, 100g, 5 s	90
Softening Point, R&B, °C	48



SECTION 10: STABILITY AND REACTIVITY

Stability (Thermal, Light, etc.)	Stable
Hazardous Polymerization	Will not occur
Incompatibility	May react with strong oxidizing agents.
Hazardous Decomposition Product	Harmful gases containing oxides of carbon and sulfur.

SECTION 11: DISPOSAL CONSIDERATIONS

Waste Disposal	The products, if discarded, are expected to be hazardous waste. Waste management should be in compliance with local and national regulations.
----------------	---

SECTION 12: TRANSPORT REGULATIONS

Land	This product is not regulated for road / rail transport.
Sea	IMDG (Packaged Goods and BLCs). This product is not regulated for sea transport.
Air	(ICAO / IATA). This product is not regulated for air transport.

SECTION 13: APPROVALS

Approvals	Technical Department Petron Corporation
-----------	--

This is a computer-generated form and does not require a signature.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Petron Corporation's knowledge. This information relates only to the specific material designated and may not be valid when this material is combined with any other material or in any process. However, Petron Corporation makes no warranty or guarantee as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Petron Corporation assumes no responsibility for injury to recipient or to third persons or for any damage to any property that may occur from the use of this information.

