

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Asphalt (petroleum)	0008052-42-4	Not listed	Not listed	25.0 - 50.0 %	Not Classified
Wollastonite	0013983-17-0	Not listed	Not listed	1.0 - 10.0 %	Skin Corr. 1B;H314 Eye Dam. 1;H318 STOT SE 3;H335
Bentonite	0001302-78-9	Not listed	Not listed	1.0 - 10.0 %	Not Classified
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

SECTION 4 - FIRST-AID MEASURES

- GENERAL:** In all cases of doubt, or when systems persist, seek medical attention. Never give anything by mouth to an unconscious person.
- EYE CONTACT:** Irrigate copiously with clean water for at least 15 minutes, holding eyelids apart and seek medical attention.
- SKIN CONTACT:** If this product comes in contact with skin, remove material with mineral oil, then wash with soap and plenty of water.
- INHALATION:** If respiratory discomfort occurs, remove to fresh air. If discomfort continues, administer oxygen and get medical attention.
- INGESTION:** If swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
- MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11::Toxicology Information.
- EYES:** Causes serious eye damage.
- SKIN:** Causes severe skin burns and eye damage.

SECTION 5 - FIRE-FIGHTING MEASURES

- FIRE EXTINGUISHING MATERIALS:** Carbon dioxide (CO₂), foam, or dry chemical. Water may be used to cool containers exposed to heat.
- SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:** Hazardous decomposition: Combustion: carbon dioxide (CO₂), carbon monoxide (CO), nitrogen oxides, smoke, and fumes.
Do not breathe mist/vapors/spray.
- ADVICE FOR FIRE-FIGHTERS:** Material may foam if heated above 212F.
Minimize breathing vapors, gases or fumes of decomposition products. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
- ERG Guide No.:** None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Put on appropriate personal protective equipment (see section 8).

ENVIRONMENTAL PRECAUTIONS: Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Eliminate sources of ignition, and ventilate the area. Add sand or earth or absorb spill with suitable absorbent material and place in a closed container.

Keep product out of sewers and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers or waterways. Assure conformity with applicable governmental regulations.

SECTION 7 - HANDLING and STORAGE

PRECAUTIONS FOR SAFE HANDLING: See section 2 for further details. (Prevention)

CONDITIONS FOR SAFE STORAGE: Handle containers carefully to prevent damage and spillage.

Do not freeze. Do not store in excess of 200F.

Incompatible materials: Strong oxidizing agents

Vapors are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent fumes from entering buildings or confined areas, close all air intake sources near the material handling or the work area. To prevent ignition, avoid smoking, keep away from heat, open flames and sources of static or electrical sparking. Use explosion proof motors and equipment. Tank trucks or other containers should be grounded and/or bonded when the material is transferred.

Avoid prolonged or repeated inhalation of vapors or spray mists. Avoid prolonged or repeated skin contact. Adhere to good hygienic practices. Avoid open flames. Use with adequate ventilation.

Store in a cool, dry place, out of direct sunlight and away from heat, sparks, and flame.

See section 2 for further details. (Storage)

SPECIFIC END USE(S): 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.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

CAS No.	Ingredient	Source	Value
0001302-78-9	Bentonite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0008052-42-4	Asphalt (petroleum)	OSHA	No Established Limit
		ACGIH	TWA: 0.5 mg/m ³ 2B
		NIOSH	Ca C 5 mg/m ³ [15-minute]
		Supplier	No Established Limit
0013983-17-0	Wollastonite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

CARCINOGEN DATA:

CAS No.	Ingredient	Source	Value
0001302-78-9	Bentonite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0008052-42-4	Asphalt (petroleum)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0013983-17-0	Wollastonite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

EYE/FACE PROTECTION: Use chemical splash goggles and face shield (A)

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid clear
APPEARANCE & ODOR:	This product is a light pink liquid with a sweet odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	17 mmHg at 68°F
DENSITY:	Not Available
EVAPORATION RATE (nBuAc= 1):	<1
BOILING POINT (F°):	212°F
FREEZING POINT (F°):	Not Available
MELTING POINT (F°):	32°F
DECOMPOSITION TEMPERATURE:	Combustion generates toxic fumes of the following: Carbon oxides
pH:	13.0 - 13.5
VISCOSITY, Dynamic:	Not Available
SOLUBILITY IN WATER (%):	Completely soluble
PERCENT VOLATILITY:	87-89 % Water

SECTION 10 - STABILITY and REACTIVITY

REACTIVITY: No dangerous reaction known under conditions of normal use.
CHEMICAL STABILITY: No data available.
POSSIBILITY OF HAZARDOUS REACTIONS: This material is considered stable. Product will not undergo hazardous polymerization.
CONDITIONS TO AVOID: No data available.
INCOMPATIBLE MATERIALS: Avoid contact with the following: Strong oxidizing agents, Strong acids and strong bases. Corrosive to some metals. Avoid contact with metals such as: aluminum

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Dermal toxicity: LD50, rat, > 2,000 mg/kg; Inhalation toxicity: LC50, rat, > 5 mg/l
IRRITANCY OF PRODUCT: Skin: slight irritation; Eye: corrosive
SENSITIZATION OF PRODUCT: Data is not available for this product.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Data not available.
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Data not available.
ASPIRATION HAZARD: Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No specific data is available for this product, however this product is not expected to be readily biodegradable

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No specific data is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: LC50, Rainbow trout (*Oncorhynchus mykiss*), 96 Hour, > 1,000 mg/l, OECD Test Guideline 203 or Equivalent

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

CONTAMINATED PACKAGING: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT: IATA: IMO: ADR:

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

NOTE: Combustible liquids may be shipped as Limited Quantities if packaged as described in 49 CFR 173.150 (b) if the inner packaging is not over 5 L. The requirements of 49 CFR Subchapter C do not apply to any material classed as a combustible liquid in a non-bulk packaging (49 CFR 173.150 (f)(2)). Bulk packaging means packaging other than vessel or barge that has a maximum capacity greater than 450 L (119 gal) for liquid (49 CFR 171.8).

HAZARD CLASS NUMBER and DESCRIPTION: Caustic alkali liquids, n.o.s. (Sodium metasilicate)

UN IDENTIFICATION NUMBER: UN1719

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Corrosive

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

SECTION 15 - REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA 311 AND 312 REPORTING: Acute Health Hazard

SARA 313 REPORTING: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

PENNSYLVANIA: Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

UNITED STATES TSCA INVENTORY (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16 - OTHER INFORMATION

Disclaimer: The information and recommendations in this document are accurate to the best of our knowledge. User must conduct their own tests to determine the suitability of these products for their particular purposes. Because of numerous factors affecting results, Progressive Materials, LLC MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than the material conforms to our applicable current specifications. Progressive Materials, LLC assumes no legal responsibility for use or reliance on the information contained in this Material Safety Data Sheet.