



SAFETY DATA SHEET - ASPHALT EXTENDER

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer Vertex Energy, Inc. – 1331 Gemini Street, Suite #250, Houston, TX 77058
www.vertexenergy.com - info@vertexenergy.com - 1-504-349-7200

Product Family Petroleum Hydrocarbon

Trade Name(s) ASPHALT EXTENDER

Product ID 62000

Recommended Uses Improve asphalt properties.

24-Hour Emergency Phone Number 1-800-424-9300

SECTION 2: HAZARD IDENTIFICATION

Physical Hazards: Not Classified

Health Hazard: Eye Damager/Irritation – Category 2B - Causes eye irritation.
Signal Word – **WARNING**

Precautionary Statements

Prevention Wash hands or other contact areas thoroughly after handling. Avoid release to the environment.

Response **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Collect Spillage

Storage None

Disposal Dispose in accordance with local/national/international regulations.

Environmental Hazards Hazardous to the Aquatic Environment – Category 3 – Harmful of aquatic life.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	Percentage
Asphalt Extender	129893-17-0	100

SECTION 4: FIRST AID MEASURES

Skin Contact: First aid not normally required. Remove contaminated clothing and footwear. Wash area of contact with soap and water. Wash clothing and decontaminate footwear before reuse. Destroy non-resistant footwear. Get medical attention if skin irritation persists or contact has been prolonged.

Eye Contact: Remove contact lenses. Flush with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Ingestion: Do not induce vomiting because of danger of aspiration into lungs. If person is conscious and can swallow, give two glasses of water (16 oz.). Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention. If person is conscious and can swallow, give two glasses of water (16 oz.) but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

SECTION 5: FIREFIGHTING MEASURES

Basic Firefighting Procedures: Use water spray, dry chemical, foam or CO₂ as applicable for burning materials in surrounding area. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment.

Unusual Fire and Explosion Hazards: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action: Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

Spill/Leak Procedure: U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number for the U.S. Coast Guard National Response Center is (800) 424-8802.

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling: Minimum feasible handling temperatures should be maintained. Material can be at elevated temperatures and/or pressures. Exercise care when opening bleeders and sampling ports. Avoid generating mist or dust. Eye wash and safety shower should be available nearby when this product is handled or used.

Storage: Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Controls: None established for this product.

Engineering Controls: Use appropriate ventilation.

Eye and Face Protection: Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:

Skin Protection: Protective clothing such as coveralls or lab coats should be worn. Launder or dry clean when soiled. Gloves and boots resistant to chemicals and petroleum distillates required. When handling large quantities, impervious suits must also be worn. Insulated gloves also required if contact with molten product or heated equipment is expected.

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Medical Conditions Aggravated by Over Exposure: Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Dark Viscous Semi-Solid	Flash Point (°F/°C) (CC)	>450 / >232
Specific Gravity (Water=1)	0.92-0.99	Upper/Lower Flammability Limits (Vol. %)	Not Applicable
pH	Not Determined	Auto-ignition Temperature (AIT) (°F/°C)	640 / 338
Solubility in Water	<0.1	Decomposition Temperature	Not Determined
Odor	Petroleum	Vapor Pressure (mm Hg 68°F)	0.2
Odor Threshold	Not Determined	Vapor Density (Air=1)	Not Determined
Melting/Freezing Point	Not Applicable	Partition Coefficient (n-octanol/water)	Not Determined
Boiling Range	Not Determined	Viscosity (cSt) 104°F/40°C	>1000
Initial Boiling Point (°F/°C)	850 / 545	Critical Temperature	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Does not react under normal conditions of use.

Chemical Stability: Stable under normal conditions of use.

Stability/Incompatibility: Stable under normal conditions of use..

Conditions to Avoid: When subjected to heat or combustion toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones are generated. Hydrogen sulfide, sulfur oxides and other containing compounds may evolve.

Hazardous Reactions/Decomposition Products: None known and does not decompose under normal conditions

Hazardous Polymerization: Does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Median Lethal Dose:

Oral: LD50 Similar product 5.00 g/kg (rat) practically non-toxic

Dermal: LD50 Similar product 2.00 g/kg (rabbit) practically non-toxic Irritation Index, Estimation of Irritation (Species)

Skin: (Draize) Believed to be < 0.5-3/8.0 (rabbit) no appreciable effect

Eyes :(Draize) < 15.0 /110 (rabbit) no appreciable effect

Sensitization: (Buehler) Similar product Negative – skin (guinea pig)

Likely Routes of Exposure: Eyes and Skin

Acute Effects: Eye contact causes irritation. Excessive contact, inhalation or ingestion of this product may cause irritation or discomfort and may cause lung damage. Refer to Sections 2 and 4 for recommended actions.

Chronic Effects: Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions.

Symptoms: Causes eye irritation. Avoid contact with eyes. If irritation occurs and persists, get medical attention. Refer to Sections 2 and 4 for recommended actions.

Carcinogenicity: According to: IARC, Other - None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not Determined
Persistence and Biodegradability:	Not Determined
Bioaccumulative Potential:	Not Determined
Mobility in Soil:	Not Determined

SECTION 13: DISPOSAL CONSIDERATION

US/RCRA Waste Disposal Methods: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

SECTION 14: TRANSPORT INFORMATION

DOT (US): Note: The product is regulated by DOT only when shipped in bulk packages at temperatures >212°F (100 °C). "UN3257, Elevated temperature liquid, n.o.s., (Asphalt),9,III" (when applicable)

SECTION 15: REGULATORY INFORMATION

SARA 302 / 304

Component Analysis

Based on the ingredient(s) listed in Section 3, this product does not contain any hazardous substance pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B

SARA Section 313

Component Analysis

Based on the ingredient(s) listed in Section 3, this product does not contain any hazardous substance subject to the requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372

CERCLA

Component Analysis

Based on the ingredient(s) listed in Section 3, this product does not contain any hazardous substance listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4

SECTION 16: OTHER INFORMATION

Disclaimer: The information contained on this Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive or fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.