

Material Safety Data Sheet

0636 Blacktop & Roof Repair - Black

MSDS No. 0049 Rev. 3

Emergency No. (918)825-5744

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	Blacktop & Roof Sealant – Asphaltic/Solvent Based - Black
MANUFACTURER'S NAME & TELEPHONE NUMBER	Red Devil, Inc. 918-825-5744
STREET ADDRESS	4175 Webb Street
CITY / STATE / ZIP	Pryor, Oklahoma 74361

SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS

	%	TLV	PEL	UNITS
Petroleum Asphalt (8052-42-4)	< 40	0.5 *	UN	mg/m3
Attapulgate Clay (12174-11-7) * ** ***	< 10	10	10	mg/m3
Mineral Spirits (Petroleum Distillate) (64742-88-7)	< 25	100 *	500	ppm
Cellulose (9004-34-6)	< 5	10	15	mg/m3
Calcium Carbonate (1317-65-3) ** ***	< 30	10	15	mg/m3
Amidoaminc (68479-04-9)	< 1	NE	NE	
Non-hazardous ingredients	< 20	NA	NA	

Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). * 8 hour TWA. **Inhalation of particulates unlikely due to product's physical state. *** As respirable dust. Calc. VOC: < 20%/wt, < 200 g/L. CARB Compliance: No. Prop 65 Ingredients: Yes. (Sec. 16)

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY	<input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
EMERGENCY OVERVIEW	Black paste product w/ solvent odor. Warning! Do not breathe vapors. May cause eye, skin, nose, throat & respiratory tract irritation. Heating may release Hydrogen Sulfide Gas. Provide fresh air to extent that chemical odors cannot be detected during use & while drying.
EFFECTS OF OVEREXPOSURE	<p>Eye Contact: May cause eye irritation, characterized by a burning sensation, tearing, inflammation & redness. Signs/symptoms may include tears, pain, swelling, redness & blurred vision. Skin Contact: May cause skin irritation. Harmful if absorbed through skin. Signs/symptoms may include pain, discoloration & swelling. Prolonged or repeated contact can result in dermatitis or burns. Do not attempt to peel solidified material from skin or use solvents to aid removal. Use vegetable oil to aid removal from skin. Rinse exposed area w/ water while removing contaminated clothing. Inhalation: Vapor harmful. Inhalation may result in irritation to nose, mouth & mucous membranes. Vapors may be irritating to eyes, nose, throat & lungs. Inhalation of high vapor concentrations can cause central nervous system depression & narcosis. May contain Sulphur compounds that may form hydrogen sulfide. The "rotten eggs" odor of hydrogen sulfide is not reliable as an indicator of concentration. Signs/symptoms of over exposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness & pain in the nose, throat & chest, confusion & unconsciousness Dust from dry sanding may cause eye, skin, nose, throat & respiratory tract irritation. Ingestion: Harmful or fatal if swallowed. Chronic Hazards: Brief/intermittent skin contact w/ this asphaltic product is not expected to produce any delayed effects. Normal handling is not expected to cause cancer in humans, skin contact & breathing of vapors should be reduced to a minimum.</p>
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None known.

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Immediately remove from skin by wiping w/ waterless hand cleaner followed by soap & water. Get medical attention if symptoms persist.
EYE CONTACT	Immediately flush w/ large quantities of water for @ least 15 minutes. Get medical attention immediately.
INHALATION	Remove to fresh air. If breathing difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention immediately. If there are symptoms of hydrogen sulfide exposure (Sec 3), move to fresh air. If breathing has stopped, apply artificial respiration. & call a doctor.
INGESTION	Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. If possible drink milk afterwards. Harmful or fatal if liquid aspirated into lungs. If swallowed, drink 8-10 oz water & get immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
EXTINGUISHING MEDIA	Carbon Dioxide, Dry Chemical, Water Fog		
FLASHPOINT (°F) & METHOD	Approx. 160F (Pensky Martin Closed Cup)	UPPER EXPLOSIVE LIMIT (% BY VOLUME)	NE
LOWER EXPLOSIVE LIMIT (% BY VOLUME)	NE	AUTOIGNITION TEMPERATURE (°F)	NE
UNUSUAL FIRE & EXPLOSION HAZARDS	None known		
SPECIAL FIREFIGHTING PROCEDURES	Wear self-contained breathing apparatus for fire fighting if necessary. Do not use a solid stream of water, as stream will scatter/spread the fire. Use water mist to cool closed containers.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES	Wear proper protective equipment (Sec. 8) in case of spills. Absorb w/ inert material & dispose of in accordance w/ Federal, State & Local requirements.
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SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT	Keep out of reach of children & pets. Do not take internally. Do not breathe vapors. Provide fresh air to extent that chemical odors cannot be detected during use & curing. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Keep away from food, drink & animal feedstuffs.
STORAGE REQUIREMENTS	Close container after use. Store away from oxidizers & caustics. Keep containers tightly closed in a dry, cool & well ventilated area.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY	<u>Engineering Controls</u> : Provide sufficient general/local ventilation to maintain exposure below recommended limits. Ensure adequate ventilation, especially in confined areas. Provide sufficient air exchange/exhaust in work rooms. Use only in well-ventilated areas.
EYEWEAR	Goggles or safety glasses w/ side shields. <u>NOTE</u> : Contact lenses pose a special hazard; soft lenses may absorb & all lenses concentrate irritants.
CLOTHING / GLOVES	Neoprene gloves. Safety shower & eyewash station should be in immediate area. If repeated/prolonged contact likely, wear protective clothing including boots, apron & face shield or splash goggles.
HYGENIC PRACTICES	Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday. Eating, drinking & smoking in area should be prohibited.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Paste	ODOR & APPEARANCE	Solvent odor, black paste
SPECIFIC GRAVITY	Approximately 1.4 to 1.8	VAPOR DENSITY (AIR=1)	Heavier than air
EVAPORATION RATE	Slower than n-butyl acetate	BOILING RANGE (°F)	NE
pH	Not Applicable	SOLUBILITY IN WATER	NE
VAPOR PRESSURE (MM Hg)	NE	%/WT VOLATILE (TNV)	NE

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stable under normal conditions.
INCOMPATIBILITY	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	None known
CONDITIONS TO AVOID	None known	
HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerization will not occur under normal conditions. Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides.	

SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACGIH	Asphalt – not listed as carcinogenic.
OSHA	Asphalt – not listed as carcinogenic.
IARC	Asphalt – classification not possible w/ currently available data.
NTP	Asphalt – not listed as carcinogenic.
DATA WITH POSSIBLE RELEVANCE TO HUMANS	None.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	No product information is available.
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SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Liquids cannot be disposed of in a landfill. Dispose of material in accordance w/ Federal, State & Local regulations.
EPA WASTE CODE IF DISCARDED (40CFR Sec.261)	If discarded (40 CFR 261): None.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION	DOT Proper Shipping Name: Combustible Liquid, n. o. s. Packing Group: III. DOT Hazard Class: Combustible Liquid. DOT UN/NA Number: NA1993. Note: Shipping information provided for domestic ground transport only. Different categorization may apply if shipped via other modes of transportation or to non-domestic destinations.
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SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY	SARA 311, 312: Immediate health hazard, Chronic health hazard, Fire hazard.	U.S. STATE REGS	See Section 16.
SARA 313	None reportable.	TSCA	All ingredients on TSCA Inventory List or otherwise exempt.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

Prop 65 Ingredients: (Known to State of California to cause cancer) Asphalt (8052-42-4). **NJ Right-to-Know:** (Top 5 Ingredients): Petroleum Asphalt (8052-42-4), Attapulgitic Clay (12174-11-7), Mineral Spirits (64742-88-7), Cellulose (9004-34-6), Calcium Carbonate (1317-65-3). **Pennsylvania Right-to-Know** (Non-Haz @ >3%): Contents partially unknown. **Ingredients Known to State of California to cause birth defects or reproductive harm:** None. **HMIS Ratings:** Health: 2, Flammability: 2, Reactivity: 0. Personal Protection: X.

LEGEND: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit, TLV – Threshold Limit Value, STEL – Short Term Exposure Limit, MSDS – Material Safety Data Sheet, ACGIH – American Conference of Governmental Industrial Hygienists, SARA – Superfund Amendments & Reauthorization Act of 1986, OSHA – Occupational Safety & Health Administration, HMIS – Hazardous Materials Identification System, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act, NFPA – National Fire Protection Association.

Reviewed By: <u>Larry G. Brandon</u>	VP Technology & General Manager	September 8, 2008
NAME	TITLE	DATE

The information contained herein has been developed based upon currently available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.

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