



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 763-509-7937	Chemical Emergency Phone: Infotrac: 1-800-535-5053	Product Name: Move Your Asphalt Product Code: MOV100 Recommended Use: Asphalt Cleaner Revision Date: 1/6/2015
---	--	--

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Skin Irritation	Category 2
Skin Sensitization	Category 1

Signal Word

WARNING!

Hazard Statements

Causes skin irritation

May cause an allergic skin reaction



Precautionary Statements - Prevention

Wear protective gloves/eye protection/face protection

Wash thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF ON SKIN: Wash with soap and water

Precautionary Statements - Storage

Store in a well ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Non-hazardous ingredients and percentages are a protected trade secret.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
d-Limonene	5989-27-5	30

SECTION 4: FIRST-AID MEASURES**First Aid Measures**

- General Advice:** Keep out of reach of children. Use with care.
- Eye Contact:** Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.
- Skin Contact:** Wash with soap and water.
- Ingestion:** If swallowed, call immediately for emergency medical assistance. DO NOT induce vomiting. Rinse mouth with water and drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air.

Most Important Symptoms and Effects

- Symptoms:** Causes skin irritation, and possible sensitization in the form of a rash. May cause mild eye irritation.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**Flammable Properties**

- Flammability:** Not considered to be a fire hazard.
- Explosive Prop:** May be a fire and explosion hazard when in contact with incompatible materials.

Extinguishing Media

- Suitable:** Use dry chemical, alcohol-resistant foam, carbon dioxide (CO₂), or water spray.
- Unsuitable:** No information available.

Specific Hazards Arising from Chemical

- Hazards:** Combustion product includes oxides of carbon and smoke.

Protective equipment and precautions for fire-fighters

- Fire-Fight Method:** In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Shut off ignition sources including flares, smoking and/or flames in hazard area.

Environ. Precautions: Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

Clean-Up Method: Scoop solid spill, soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

Handling: Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

Storage: Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

Incomp. Materials: Keep product away from heat.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Hazardous Chemical	OSHA PEL	ACGIH TLV
d-Limonene	None established	100 ppm

Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas. Use explosive proof equipment where required.

Personal Protection Equipment (PPE)

Eyes: Recommend safety goggles or shield.

Respiratory: None necessary where ventilation is sufficient to maintain vapors under the TLV limit.

Skin: Avoid skin contact. Recommend chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Paste

Appearance: Thick, white paste

Color: White

Odor: Citrus

Odor Threshold: No information available

Property	Values
pH:	Not determined
Flash Point:	Not determined
Water Solubility:	Insoluble
Viscosity:	Not determined
Specific Gravity:	0.95 - 1.0
Melting Point:	Not determined
Freezing Point:	Not determined
Boiling Point:	Not determined
Evaporation Rate:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Relative Density:	Not determined
Flammability:	Not determined

Explosive Limits: Not determined
Part. Coefficient: Not determined
Auto-ignition Temp Not determined
Decomp. Temp: Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable upon exposure to heat.
Haz. Decomposition: Thermal breakdown of this product during fire or high heat conditions may form decomposition products of carbon oxides.
Haz. Polymerization: Will not occur
Incompatibilities: Flammable materials
Conditions to Avoid: Avoid heat

SECTION 11: TOXICOLOGY INFORMATION

Component Information

Hazardous Chemical	LD50 Oral	LD50 Dermal
d-Limonene	3600 mg/kg (rat)	5000 mg/kg (rat)

Potential Health Effects

Exposure Routes: Eye Contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: No data available for mixture. Components are not damaging to eyes.

Skin: Causes skin irritation, redness, and itching.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea and vomiting.

Inhalation: May cause mild irritation.

Chronic Effects: Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory

Carcinogenicity: Not listed as carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
d-Limonene	0.61-0.79 mg/L (96 h, Fathead minnow)	0.577 mg/L (48 hour, Daphnia)

Environmental Toxicity

Biodegradation: This product is expected to be readily biodegradable.

Persistence: This product is expected to biodegrade.

Bioaccumulation: The potential for bio concentration in aquatic organisms is high.

Mobility: Low potential for adsorption in soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

Container: Drain contaminated container thoroughly. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION*Transport in accordance with all federal, state, and local regulations.***DOT**

Proper Name: Terpene hydrocarbons, N.O.S.
Hazard Class: 3
UN Number: UN2319
Packing Group: III
Special Provisions: **173.150 Exceptions for Class 3** (flammable and combustible liquids). (f) Combustible liquids. (1) A flammable liquid with a flash point at or above 100° F that does not meet the definition of any other hazard class may be reclassified as a combustible liquid **173.150 (f)(1)**.

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.
CERCLA Reportable Quantity: Not applicable

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

U.S. State Right-to-Know Regulations

Hazardous Chemical	California Proposition 65
None	

Section 311/312 Hazard Category

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Section 313 Toxic Chemicals None

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department
Contact Number: 763-509-7937
Issue Date: 1/6/2015
Revision Date: 1/6/2015
Revision Note: New Product
Version: I