

Material Safety Data Sheet (MSDS) for LivingStone™ Solid Surface Products



Material Identification

LivingStone™ is a registered trademark of Surface Warehouse, LP

Company Identification

Manufacturer/Distributor	Surface Warehouse, LP 8868 Research Blvd, Suite 309 Austin, TX 78758		
Phones	For Product Information	1-866-433-2229	
	For Chemical Emergencies (spill, leak, fire, exposure or accident) contact Chemtrec — 24 hours	1-800-424-9300 (North America) 1-703-527-3887 (International*) * collect calls accepted	

Composition/Information on Ingredients

Components	Ingredient/Sequence No.	CAS No.	% by Weight
	Acrylic Polymer/1	9011-14-7	33-42
	Alumina Trihydrate/2	21645-51-2	57-42
	Colorants/3	NA	1-5

Remarks on Components The material is not known to contain toxic chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Hazards Identification

Potential Health Effects LivingStone™ solid surface products are not hazardous as shipped in their solid states. However, dust generated from cutting, routing, sawing, drilling, sanding or other forms of fabrication may cause irritation to skin, eyes and respiratory systems. Surface Warehouse recommends using exposure limits for polymethyl methacrylate, because there are no established exposure limits for solid surface dust.



Hazards Identification, cont'd

Potential Health Effects, <i>cont'd</i>	<p>LivingStone™ solid surface products do not gas off at room temperature.</p> <p>However, at higher temperatures, small amounts of methyl methacrylate and butyl acrylate can be released, depending on the temperature, duration of exposure to heat and other variables.</p> <p>Methyl methacrylate and butyl acrylate vapors can irritate skin, eyes and respiratory systems, and can cause allergic reaction.</p> <p>Dust or small particles generated during fabrication may irritate skin, eyes and respiratory systems. Long-term exposure may cause headaches.</p>
Carcinogenicity Information	<p>None of the components in LivingStone™ solid surface products at concentrations equal to or greater than 0.1% are listed by the IARC, NTP, OSHA or ACGIH as a carcinogen.</p>

First Aid Measures

Eyes	<p>In case of contact, flush eyes immediately with plenty of water for minimum of 15 minutes. Seek medical attention.</p>
Skin	<p>The compound is not likely to be hazardous by skin contact. However, thorough washing of the contacted area with running water and non-abrasive soap is recommended. Seek medical attention if irritation persists.</p>
Inhalation	<p>Remove to fresh air if necessary. The compound is not likely to be hazardous by inhalation. However, repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.</p> <p>Seek medical attention if breathing becomes difficult.</p>
Ingestion	<p>No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. Also, ingestion is not an expected route of entry into the body.</p>



Fire Fighting Measures

Flammable Properties	LivingStone™ solid surface products can be combusted only with difficulty. Hazardous gases/vapors produced in a fire are carbon monoxide, methyl methacrylate, butyl acrylate and aldehydes.
Extinguishing Media	Water, dry chemical, CO ² , foam
Fire Fighting Instructions	Keep personnel removed and upwind from fire. Wear self-contained breathing apparatus.

Accidental Release Measures

Safeguards (Personnel)	Review <i>Fire Fighting Measures</i> and <i>Handling and Storage</i> sections for safety protocols. Use appropriate personal protective equipment during cleanup.
Spill Cleanup	Recover undamaged and minimally contaminated material for reuse and reclamation.

Handling and Storage

Handling (Personnel)	Avoid breathing dust. Avoid breathing fumes/vapors generated when LivingStone™ solid surface products are being thermoformed. Very small amounts of methyl methacrylate or butyl acrylate can be generated during the machining of LivingStone™ solid surface products, such as sawing, routing, drilling or sanding, due to heat created by friction.
Storage	LivingStone™ solid surface products should be stored indoors, away from direct sunlight and extreme temperature.



Exposure Controls / Personal Protection

Exposure Controls	Use an adequate ventilation system to keep airborne contaminants below recommended limits. Appropriate dust collection systems for machinery are recommended.
Personal Protective Equipment	<p><i>Eye/Face Protection:</i> Wear safety glasses during operations such as sawing, routing, drilling or sanding.</p> <p><i>Respirators:</i> In normal and intended conditions, a respirator is not needed. However, during operations such as sawing, routing, drilling or sanding, if airborne particulate concentrations are expected to exceed permissible exposure limits, use a half-face, NIOSH-approved, air-purifying respirator with type N100 filter. Respirators should be selected based on form and concentration of the airborne contaminant and in accordance with OSHA Respiratory Protection Standard CFR 1910.134.</p>
Protective Clothing	Wear leather or cotton gloves when handling large pieces and during operations such as sawing, routing or drilling. Safety shoes and ear protection are also recommended.

Exposure Limits

Particulates	<p>PEL (OSHA) — Particulates not otherwise regulated: 15 mg/m³, 8 hour TWA, total dust 5 mg/m³, 8 hour TWA, respirable dust</p> <p>TLV (ACGIH) — Particulates (insoluble) not otherwise classified: 10 mg/m³, 8 hour TWA, inhalable particulate 3 mg/m³, 8 hour TWA, respirable particulate</p>
Methyl Methacrylate	<p>PEL (OSHA) 100 ppm, 410 mg/m³, 8 hour TWA</p> <p>TLV (ACGIH) 50 ppm, 8 hour TWA, STEL 100 ppm, A4 Sensitizer</p>
Butyl Acrylate	<p>PEL (OSHA) — No limit established</p> <p>TLV (ACGIH) 2 ppm, 8 hour TWA, A4 Sensitizer</p>



Physical and Chemical Properties

Appearance	Solid
Form	Sheets, shaped and molded articles
Odor	Odorless
Oxidation	None
Percent of Volatiles	0% at room temperature
Solubility in Water	Insoluble
Specific Gravity	1.69 -1.74
pH/Boiling Point/ Molecular Weight	Not applicable
Melting Point/Vapor Density/ Vapor Pressure	Not available

Stability and Reactivity

Chemical Stability	Stable in normal temperature and storage conditions
Unstable conditions	Extreme heat
Incompatibility with Other Materials	Strong acids, oxidizing accelerants
Thermal Decomposition	Can release methyl methacrylate and butyl acrylate
Hazardous Decomposition	Not available
Hazardous Reactions	None
Hazardous Polymerization	Will not occur



Toxicological Information

Toxicity to Animals	Product has not been tested for effects on animals
Toxicity to Humans	Product is not toxic to blood, kidneys, lungs, nervous system, liver, mucous membranes and reproductive system

Ecological Information

Ecotoxicity	Not available
BODS and COD	Not available
Biodegradable OECD	Not available

Disposal Considerations

Waste Disposal	Preferred options, in order of preference, are (1) recycling, (2) incineration with energy recovery and (3) landfill. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state and local regulations.
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Transportation Information

DOT Classification	Not regulated
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Regulatory Information

US Federal Regulations

TSCA Inventory Status: All components of this product are listed in compliance with TSCA inventory requirement for commercial purposes.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 Accident Release Prevention:
No products were found.

Clean Air Act (CAA) 112 Regulated Flammable Substances:
No products were found.

Clean Air Act (CAA) 112 Regulated Toxic Substances:
No products were found.

SARA 302/304/311/312 Extremely Hazardous Substances:
No products were found.

SARA 302/304 Emergency Planning and Notification:
No products were found.

SARA 311/312 MSDS Distribution - Chemical Inventory - Hazard Identification: No products were found.

SARA 313 Toxic Chemical Notification and Release Reporting:
No products were found.

State Regulations

State of Pennsylvania Hazardous Substances List Present at a Concentration of 1% or More (0.1% for Special Hazardous Substances): Not known.

State of California Warning on Known Substances to Cause Cancer, Birth Defects or Other Reproductive Harm: Not known.

State of California Proposition 65: No products were found.

State of New Jersey Workplace Hazardous Substance List Present at a Concentration of 1% or More (0.1% for Substances Identified as Carcinogens, Mutagens or Teratogens): Not known.



Additional Information

Medical Use	Do not use in medical applications involving permanent implantation in the human body.
Use of Data	The data in this document relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.
Responsibility for Data	Surface Warehouse, LP 8868 Research Blvd, Suite 309 Austin, TX 78758 1-866-433-2229
Disclaimer	<p>The information contained in this document is provided by Surface Warehouse, LP, free of charge. It is based on technical data which Surface Warehouse, LP, believes to be reliable.</p> <p>The information in this document is intended for persons having knowledge of this technical area, for use at their own discretion and risk. Seller assumes no responsibility for results obtained or damage incurred from the use of information in this document, either in whole or in part by a purchaser of LivingStone™ solid surface products.</p> <p>LivingStone™ is a registered trademark of Surface Warehouse, LP, for its solid surface products.</p> <p>Copyright © 2006, Surface Warehouse, LP.</p>