



Material Safety Data Sheet

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Section 1:

Chemical Product and Company Identification:

Company Details:

Address:	Emergency Telephone Numbers:
Lone Star Makers 13359 North Highway 183 Suite 406-630 Austin, TX 78750 United States	(512) 710-9691 9am-6pm M-F

Product Supplier: Lone Star Makers

Product Details:

Product Name:	Chemical Name:	Product Use:	Product Code:
SuperSticky 3D Printer Bed Helper	n/a	3D Printer Bed Adhesive/Release Agent	

Section 2:

Hazards Identification Summary:

(As defined by relevant local authority standard)

Health Hazards: Category 2 Eye Damage/Irritation, Category 2B Specific Target Organ Toxicity (Single Exposure), Category 3

Physical Hazards: Flammable Liquid

Environmental Hazards: Highly Flammable liquid and vapor

Section 3:

Composition, Information of Ingredients:

Summary:

Component:	Percentage (%):	CAS Number:
2-Propanol	50	67-63-0

Section 4:

First Aid Measures:

First Aid responders should use the protective equipment listed in Section 8 if there is a potential for exposure to product.

If swallowed: If swallowed, rinse mouth with water (only if the person is conscious) Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain emergency medical attention. Call Poison Control or doctor



If on skin or clothing:	Wash skin and/or clothing with soap and water. If skin irritation occurs, seek medical attention
If in eyes:	Remove contact lenses, if any and if possible. Rinse continuously with water for several minutes. If eye irritation persists, seek medical attention
If inhaled:	Relocate to fresh air. If not breathing, induce artificial respiration and seek immediate medical attention.
Notes to doctor/physician:	Causes serious eye irritation. Symptoms include stinging, watering, redness and swelling. Additional info: May cause damage to central nervous system, depression. Prolonged or repeated exposure can cause nausea, vomiting, headache, drowsiness. Overexposure may cause mild, reversible liver effects. Aspiration may lead to lung oedema or pneumonia.

Section 5:

Fire Fighting Measures:

National Fire Protection Rating (NFPA)

Health:	Flammability:	Reactivity:
1	3	0

Legend:

4 = Severe | 3 = Serious | 2 = Moderate | 1 = Slight | 0 = Minimal

Flashpoint:	12° C (54° F) CC
Extinguishing Media:	Water spray, Apply alcohol-type or all-purpose-type foams by manufacturers' recommended techniques for large fires; carbon dioxide or dry chemical media for small fires.
Fire and explosion hazard:	Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from handling point. Contact with strong oxidizers may cause fire or explosion.
Fire fighting instructions and equipment:	Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Section 6:

Accidental Release Measures:

In case of spills or leaks:	WARNING: This is a flammable material. Handling equipment must be grounded to prevent sparking. Ventilate area of leak or spill. Seal source of leak only if safe to do so. Wear appropriate respirator and protective clothing.
Small spill:	Eliminate all ignition sources.
Large spill:	Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty. Ensure all national/local regulations are observed.

Section 7:

Handling and Storage:



Handling: Protect against physical damage. Storage and use areas should be 'No Smoking' areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Small quantities of peroxides can form on prolonged storage. If evaporated to a residue, the mixture of peroxides and isopropanol may explode when exposed to heat or shock.

Handling: Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be severe.

Section 8:
Exposure Controls, Personal Protection:

Exposure limits: CAS: 67-63-0 - Chemical: Isopropanol - ACGIH TLV 200ppm - OSHA PEL 400ppm - STEL 400ppm

Engineering controls: Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection

Personal protective equipment: Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves and other clothing as required to minimize contact. Test data from published literature and/or glove and clothing manufacturers indicate the best protection is provided by nitrile, neoprene and natural rubber gloves. Use explosion-proof ventilation as required to control vapor concentrations. Eye wash fountains and safety showers should be available for emergency use.

User safety recommendations: Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section 9:
Physical and Chemical Properties:

Summary:

Property:	Details:
Appearance:	Translucent viscous liquid
Odor:	Alcohol-like
pH:	n/a
Melting Point:	n/a
Boiling Point:	180 °F (82 °C) est
Flash Point:	54 °F (12 °C) est
Evaporation Rate:	data not available
Flammability:	n/a
Flammability Limits:	data not available
Vapor Pressure:	43hPa (at 68 °F)
Vapor Density:	data not available
Density:	data not available
Solubility:	data not available
Partition Coefficient:	data not available
Auto-Ignition Temperature:	800 °F (430 °C) est



Property:	Details:
Decomposition Temperature:	data not available
Viscosity:	data not available

Section 10:

Stability and Reactivity:

Product Reactivity:	Reacts with air to form peroxides.
Chemical Stability:	The product is stable at normal handling and storage condition
Hazardous Polymerisation:	Hazardous polymerization will not occur. Vapours may form explosive mixture with air.
Conditions to Avoid:	Hazardous polymerization will not occur. Vapours may form explosive mixture with air.
Incompatible Materials:	Hazardous polymerization will not occur. Vapours may form explosive mixture with air.
Hazardous Decomposition Products:	Thermal decomposition products: Carbon monoxide. Carbon dioxide. Low molecular weights hydrocarbons.

Section 11:

Toxicological Information:

Acute Toxicity:

Column1	Column2
Oral LD ₅₀ (rat)	5,045 mg/kg
Dermal LD ₅₀ (rat)	5,045 mg/kg
Inhalation LC ₅₀ (rat)	5,045 mg/kg
Eye Irritation (rabbit)	Causes eye irritation.
Skin Irritation (rabbit)	not classified
Sensitization (guinea pig)	not classified

Carcinogen Status:

Column1	Column2
OSHA:	Not Classified as a Human Carcinogen
NTP:	Not Classified as a Human Carcinogen
IARC:	Not Classified as a Human Carcinogen

Tetragenicity: Not classified (Based on available data, the classification criteria are not met)

Mutagenicity: Not classified (Based on available data, the classification criteria are not met)



Section 12:
Ecological Information:

Environmental Summary:	Low toxicity to invertebrates. Low toxicity to fish. Low toxicity to algae.
FATE:	When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent.
Fish Toxicity:	Low toxicity to fish
Avian Toxicity:	Low toxicity to birds
Bee Toxicity:	data not available

Section 13:
Disposal Considerations:

Waste:	Dispose of this material and its container to hazardous or special waste collection point. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site. Additional information : Dried inactive material may be disposed of as municipal waste.
Container:	Containers must not be punctured or destroyed by burning, even when empty.

Section 14:
Transport Information:

Table name

Criteria:	Requirement:
Shipping Description:	FLAMMABLE LIQUID, N.O.S. (Contain Isopropanol)
Transport Hazard Class:	3
UN Number:	1993
DOT Packing Group:	II

Section 15:
Regulatory Information:

Cercla Reportable Quantity:	No chemical in this product is listed as a CERCLA hazardous Substances substance subject to the National Response Center (NRC) release reporting requirements.
Hazard Categories:	Flammable, Class 3
Toxic Chemicals:	Isopropanol, CAS #67-63-0