

MATERIAL SAFETY DATA SHEET

SECTION 1 — MATERIAL IDENTIFICATION

PRODUCT NAME: StatLink Black Conductive Release Adhesive
PRODUCT CLASS: Waterborne Acrylic, Dispersion Adhesive
MANUFACTURER: Julie Industries, Inc.
PO Box 153
North Reading, MA 01864
www.julieindustries.com
TELEPHONE NUMBER: 978-276-0820
EMERGENCY TELEPHONE NUMBER: 800-424-9300
REVISION DATE: MARCH 1999

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	% by Weight	OSHA (TLV-TWA)	OSHA (PEL-STEL)
Propylene Glycol	57-55-6	1 - 4%	50 PPM	50 PPM

SECTION 3 — HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW: Contact with eyes and skin may result in irritation. Ingestion may result in gastric disturbances.

POTENTIAL HEALTH EFFECTS:

EYE: May cause irritation.

SKIN: Prolonged exposure may cause skin irritation. May cause drying or flaking of skin.

INGESTION: Ingestion may cause injury to intestinal tract. Harmful if swallowed. Do not ingest.

INHALATION: May cause respiratory tract irritation.

CHRONIC EFFECTS/CARCINOGENICITY (CANCER CAUSING)

IARC: Not suspected as a human carcinogen.

OSHA: Not suspected as a human carcinogen.

NTP: Not suspected as a human carcinogen.

OTHER: None known.

SECTION 4 — FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician if irritation occurs.

SKIN CONTACT: Wash with soap and water. Contact a physician if irritation develops or persists. Immediately remove contaminated clothing.

INGESTION: If swallowed, seek medical attention immediately.

INHALATION: Remove to fresh air. Restore breathing if necessary. Get medical attention.

Do not leave victim unattended.

SECTION 5 — FIRE-FIGHTING MEASURES

OSHA CLASS:	None
CLASS:	N.A.
FLASH POINT (Pensky-Martens C.C.):	>300° F
LOWER EXPLOSIVE LIMIT:	N.A.

GENERAL HAZARD: Toxic gases will form upon combustion. Closed containers may explode when exposed to extreme heat.

FIRE-FIGHTING EQUIPMENT: Respiratory and eye protection required for fire fighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Smoke and Fumes, Hydrocarbon Fragments.

SECTION 6 — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Spills should be contained, solidified (add sand or sawdust), and placed in a suitable container for disposal. This material is not regulated under RCRA or CERCLA ("Superfund"). Clean up quickly as spills are a slipping hazard.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Open container slowly to relieve any pressure. Wash thoroughly after handling. Avoid contact with eyes. Wear appropriate protective gloves and clothing to prevent prolonged or repeated skin contact

All containers and unused contents should be disposed of in accordance with applicable federal, state and local regulations

Container must not be washed out or used for other purposes. Do not use container for food, feed or drinking water.

STORAGE: Keep containers tightly closed. Use and store this material in a cool, dry area away from heat and direct sunlight. Store only in approved containers. Protect containers against physical damage.

SECTION 8 — EXPOSURE CONTROLS/SPECIAL PROTECTION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge may be used under conditions where airborne concentrations are expected to exceed exposure guidelines. refer to respirator manufacturer's selection guide for appropriate respirator for conditions encountered.

SKIN PROTECTION: The use of gloves impermeable to the specific material handled is advised to prevent prolonged or repeated skin contact. Refer to the glove and protective clothing manufacturer's selection guide for appropriate material.

EYE PROTECTION: Approved chemical splash goggles should be worn to safeguard against potential eye contact, irritation or injury. Eye wash facilities should be available in the work area.

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation to maintain exposure below TLV(s). The use of local exhaust ventilation is recommended. Provide mechanical ventilation of confined spaces.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY (Water=1): 1.03 (68°F)

Ph: N/A

BOILING POINT: 212 ° F

FREEZE POINT: <32° F

APPROXIMATE VISCOSITY: 15,000 - 23,000 CPS (75°F)

% SOLIDS BY WEIGHT: -41%

SOLUBILITY IN WATER: Soluble.

ODOR AND APPEARANCE: Black, thick, flowing liquid with low odor.

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, acids, bases or unstable chemicals, chloroform, nitric compounds, peroxides, sulfur dichloride, strong alkalies. Metal salts will coagulate product.

POLYMERIZATION: Will not occur.

CORROSIVE PROPERTIES: Not corrosive.

OXIDIZER PROPERTIES: not an oxidizer.

SECTION 11 — TOXICOLOGICAL INFORMATION

SKIN: DERMAL LD50 = N.A. mg/kg

INGESTION: ORAL LD50 = N.A. mg/kg

CHRONIC: This material has no known chronic effects

CHRONIC/CARCINOGENICITY (Cancer Causing): This product contains the following chemicals known to the State of California (Proposition 65) to cause cancer or reproductive toxicity = **NONE KNOWN.**

OTHER: NONE KNOWN.

SECTION 12 — ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 13 — DISPOSAL CONSIDERATIONS

Incinerate at an EPA approved facility or dispose of in accordance to all Federal, State and Local regulations.

PROPER DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!

SECTION 14 — TRANSPORTATION INFORMATION

D.O.T.:

PROPER SHIPPING NAME: NOT REGULATED

U.N.#: _____

HAZARD CLASSIFICATION: _____

PACKING GROUP: _____

ALL PACKAGED MATERIAL MUST BE LABELED IN ACCORDANCE WITH D.O.T. AND OSHA STANDARDS.

SECTION 15 — REGULATORY INFORMATION

OSHA: Not Hazardous

SECTION 313: This product contains the following substances subject to the reporting requirements of section 313 of title III of superfund amendments and reauthorization act of 1986 and CFR part 372: **NONE KNOWN**

V.O.C.: < 0.1 Lbs./Gal. (SCAQMD Rule 1168)
< 12 G/L

HAZARD INDEX:

0: Minimal Hazard 1: Slight Hazard 2: Moderate Hazard 3: Serious Hazard 4: Severe Hazard

HMIS RATINGS:

HEALTH: 1 REACTIVITY: 0

FLAMMABILITY: 1 PERSONAL PROTECTION: Depends on application and ventilation

TSCA: Components of this product are listed on the TSCA inventory.

SECTION 16 — DEFINITIONS

ASPIRATION HAZARD: The danger of drawing material into the lungs leading to an inflammatory response that can be fatal.

CFR: Code of Federal regulations. A collection of regulations established by law.

CARCINOGEN: A material that either causes cancer in humans or is considered capable of causing cancer in humans.

COMBUSTIBLE: A term used to classify certain materials with low flash points that ignite easily. For OSHA it has a flash point > 100° F but below 200° F

FLAMMABLE: A material that gives off vapors that readily ignite at room temperature. OSHA defines flammable as a material with a flash point of < 100° F

FLASH POINT: The lowest point at which a liquid gives off sufficient vapor to form an ignitable mixture with air.

HAZARDOUS: Any substance or mixture of substances having properties capable of producing adverse effects on the health or safety of a human.

IARC: International Agency for Research on Cancer.

IRRITANT: A substance capable of causing an inflammatory effect on living tissue by chemical action at the sight of contact.

LD50: Lethal Dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure to the substance from any route other than inhalation.

L.E.L.: Lower Explosive Limit. the lowest concentration of vapor that burns or explodes when an ignition source is present at ambient temperatures.

L.F.L.: Lower Flammable Limit. Same as L.E.L.

MSHA: Mine Safety and Health Administration.

N.A.: Not Applicable or Not Available.

SECTION 16 — DEFINITIONS ... continued

N.E.: Not Established.

N.F.P.A.: National Fire Protection Association

N.I.O.S.H.: National Institute of Occupational Safety and Health.

N.T.P.: National Toxicology Program

O.S.H.A.: The Occupational Safety and Health Administration

P.E.L.-S.T.E.L.: Permissible Exposure Limit, Short Term Exposure Limit.

SYSTEMIC TOXICITY: Adverse effects induced by a substance which affects the body in a general manner rather than locally.

T.L.V.-T.W.A.: Threshold Limit Value, Time Weighted Average.

T.S.C.A.: Toxic Substance Control Act.

TOXIC: Any chemical or material that has evidence of an acute or chronic health hazard and is listed in the NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES.

V.O.C.: Volatile Organic Compound.