



Material Safety Data Sheet

81181 Sto TurboStick

Section I - Manufacturer's Information

Identity: **Sto TurboStick**

Common Name/Synonym: **Polyurethane Adhesive**

Manufacturer's Name: **Sto Corp.**
6175 Riverside Drive, SW
Atlanta, GA 30331

Information #: **(404) 346-3666**
Emergency #: **(800) 424-9300**

DOT Hazardous Class: **Not Regulated**
CAS Number: **Not Registered**

Section II - Preparation Information

Prepared By: **Sto Corp. Research and Development Department**

Date Prepared: **15-Mar-11**

Section III - Hazardous Ingredients

Component - A Ingredient	Percent ww	CAS Number	TWA/TLV			LD50	LC50
			OSHA	ACGIH	Other		
Polymethylenepolyphenyl polyisocyanate,	30-60	53862-89-8	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
N, N'-Dimorpholinodimethyl	1-5	6425-39-4	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
1,1,1,2-Tetrafluoroethane	10-30	811-97-2	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
Methylene biphenyl isocyanate	7-13	101-68-8	0.005 mg/m ³	0.005 mg/m ³	OSHA Ceiling 0.2 mg/m ³	N/E	N/E
Polymeric diphenylmethane	10-30	9016-87-9	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E

Section IV - Physical/Chemical Characteristics

Component - A

Boiling Point: **N/E** Vapor Density [Air=1]: **N/E** Vapor Pressure: **2100 kPa @ 55 C** pH Level: **N/A**
Melting Point: **N/E** Evaporation Rate [Ether=1]: **N/E** Physical State: **Foam** Solubility in Water: **N/A**
Freezing Point: **N/E** Specific Gravity: [H2O=1]: **1.155** Odor Threshold: **N/E**
Appearance and Odor: **Natural Color Foam- Very Slight Odor** Coefficient of Water/Oil Distribution: **N/E**

Section V - Fire and Explosion Hazard Data

Component - A

Flammability: **N/A** Flash Point: **N/A** Autoignition Temperature: **N/E**
Limits LEL/UEL: **N/E - N/E** Sensitivity to impact: **N/E** Sensitivity to Static Discharge: **N/E**
Hazardous Decomposition Products: **NOx, Isocyanates, HFI, CO2, Hydrogen halides**
Unusual Fire and Explosive Hazards: **Some components of this product will burn in a fire situation. Container may vent and/or rupture due to fire. Dense smoke.**
Special Firefighting Procedures: **Wear positive-pressure SCBA and fire fighting clothing.**
Extinguishing Media: **Water fog or fine spray. Dry chemical fire extinguishers. CO2 fire extinguishers. Foam. ATC foam is preferred.**

Section VI - Reactivity Data

Component - A

Hazardous Decomposition Products: **NOx, Isocyanates, HFI, Hydrogen halides, CO2** Stability: **Stable** Incompatibility (Materials to Avoid): **Acids, Alcohols, Amines, Ammonia, Bases, Metal compounds, Strong oxidizers, Products based on diisocyanates**
Hazardous Polymerization: **Can occur in elevate** Conditions to Avoid: **Temperatures above 50 C (122 F)**



Material Safety Data Sheet

81181 Sto TurboStick

Section VII - Health Hazard Data

Carcinogenicity: **No** NTP: **No** IARC: **No** OSHA Regulated: **No** LD50: **N/A** LC50: **N/A**

Effects and Hazards of Eye Contact: **May cause eye irritation. May cause slight temporary corneal injury.**

Effects and Hazards of Inhalation (Breathing): **Vapor can cause unconsciousness and death due to displacement of oxygen. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. May cause pulmonary edema (fluid in the lungs). Effects may be delayed.**

Effects and Hazards of Skin Contact: **Prolonged contact may cause moderate skin irritation with local redness. Material may stick to skin causing irritation upon removal. May stain skin.**

Effects and Hazards of Ingestion (Swallowing): **Low toxicity if swallowed. Small amounts swallowed incidentally are not likely to cause injury; however, swallowing larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage.**

HMIS RATING Health: 2 Flammability 1 Reactivity: 0 PPE: I

Section VIII - Emergency and First Aid Procedures

Treatment for Eye Contact: **Immediately flush eyes with water; remove contact lenses, if present, after the first five minutes, then continue flushing the eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.**

Treatment for Inhalation (Breathing): **Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.**

Treatment for Skin Contact: **Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. An MDI skin decontamination study demonstrated that cleaning very soon after exposure is important, and that a polyglycol-based skin cleanser or corn oil may be more effective than soap and water. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.**

Treatment for Ingestion (Swallowing): **Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.**

Section IX - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled (Dry Stage): **Collect and dispose in proper receptacle.**

Steps to be taken in case material is released or spilled (Wet Stage): **Contained spilled material with sawdust, dirt, vermiculite, sand or clay. Do not use cement (may generate heat). Collect in unsealed containers.**

Waste Disposal Method: **Per local, state and federal regulations.**

Precautions To Be Taken In Handling and Storing: **Store in a dry place. Protect from atmospheric moisture. Maintain a nitrogen atmosphere. Do not store product contaminated with water to prevent potential hazardous reaction. Avoid temperatures above 50 C (122 F). Storage temperature- 25 C**

Other Precautions: **This material is an industrial product designed to be used by professionals familiar with the requirements of this material safety data sheet.**

Respiratory Protection: **Atmospheric levels should be maintained below the exposure guideline. When atmospheric levels may exceed the exposure guideline, use an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator (air line or SCBA). For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure SCBA or positive-pressure air line with auxiliary self-contained air supply. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.**

Ventilation: **Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.**

Protective Gloves: **Use gloves chemically resistant to this material. Examples of preferred gloves include: Chlorinated polyethylene, Neoprene, Polyethylene, EVAL, PVC or Vinyl, Viton. Examples of acceptable gloves include: Latex, Nitrile.**



Material Safety Data Sheet

81181 Sto TurboStick

Eye Protection: **Use safety glasses. Eye wash fountain should be located in immediate work area.**

Other Protective Equipment: **Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.**

Work and Hygienic Practices: **Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating or smoking.**

California Proposition 65: **This product does not contain any material which is considered a carcinogen by the State of California.**

The information and recommendations contained herein are, to the best of Sto Corp.'s knowledge and belief, accurate and reliable as of the date issued. Sto Corp. does not warrant or guarantee their accuracy or reliability, and Sto Corp. shall not be liable for any loss or damage arising out of their use thereof. The information and recommendations are offered for the users' consideration and examination, and it is the users' responsibility to satisfy itself that they are suitable and complete for its particular use.