SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID:	0652-XXXX-XXXX or TUS-8-XXXX		
Product Name:	EPOXY STICK		
Revision Date:	Aug 03, 2016	**Date Printed:**	Feb 22, 2018
Version:	1.0	**Supersedes Date:**	N.A.
Supplier's Name:	TOUCH-UP SOLUTIONS		
Address:	4372 Providence Mill Rd Maiden, NC, US, 28650		
Emergency Phone:	1-800-535-5053 I International : 1-352-323-3500		
Information Phone Number:	1-828-428-9094		
Fax:	1-828-428-9970		

Product/Recommended Uses: Sealants and adhesives

SECTION 2) HAZARDS IDENTIFICATION

Classification

Skin Irritation - Category 2

Eye Irritation - Category 2B

Skin Sensitizer - Category 1

Pictograms

Signal Word

Warning

Hazardous Statements - Health

Causes skin irritation

Causes eye irritation

May cause an allergic skin reaction

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention

Wash with water and soap thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

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

Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water.

Specific treatment (see First-aid on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing. And wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If skin irritation or a rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

Dispose of contents/container to disposal recycling center.
Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Hazards Not Otherwise Classified (HNOC)

None.

SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0025068-38-6	BISPHENOL A DIGLYCIDYL ETHER POLYMER	10% - 30%
0000090-72-2	2,4,6-TRI(DIMETHYLAMINOMETHYL) PHENOL	1.0% - 5%
0014808-60-7	SILICA, CRYSTALLINE	0.1% - 1.0%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts).Rinse skin with lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Ingestion

Rinse mouth. Immediately call a POISON CENTER/doctor. Do NOT induce vomiting unless directed to do so by the POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER or doctor.

Important symptoms and effects, both acute and chronic

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Irritating to mouth, throat and stomach.

Adverse symptoms can include redness, irritation on skin contact and redness, irritation, pain or watering of eye on eye contact.

Indication of any immediate medical attention and special treatment needed

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5) FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media

Do not use water jet.

Special hazards in case of fire

Hazardous Thermal Decomposition Products may include the following materials:carbon dioxide, carbon monoxide, oxides of nitrogen.

Also, Sulfur oxides, halogenated compounds and metal oxide/oxides.

Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning Up

Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Recommended Equipment

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations.

SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use impervious, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filter or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Chemical Name	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Skin designation	OSHA Carcinogen	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen	ACGIH TWA (mg/m3)
SILICA, CRYSTALLINE	[10 mg/m3 percent SiO2+2 / 250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2];	a					0.05e				1	0.025 (R)

Chemical Name	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Notations	ACGIH TLV Basis	ACGIH Carcinogen
SILICA, CRYSTALLINE				A2	Pulmonary fibrosis; lung cancer	A2

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	7.71 lb/gal
Specific Gravity	0.92
% VOC	0.00%
Density VOC	0.00 lb/gal
% Solids By Weight	36.00%

Appearance	Brown-White solid
Odor Description	Pungent, Sulfurous
Odor Threshold	N/A
pH	N/A
Flammability	Flash point at or above 200°F/93°C
Flash Point Symbol	>
Flammability (solid, gas)	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Water Solubility	N/A
Viscosity	N/A
Freezing Point	N/A
Melting Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Coefficient Water/Oil	N/A
Auto Ignition Temp	N/A
Evaporation Rate	N/A
Decomposition Pt	>392 °F

SECTION 10) STABILITY AND REACTIVITY

Hazardous reactions/polymerization

Will not occur.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous thermal decomposition products can include carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides

Stability

Stable in normal conditions

Incompatible Materials

Strong oxidizing agents.

Conditions to avoid

Avoid flame, spark, heat and contact with incompatible materials.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Not available.

Skin Corrosion/Irritation

Causes skin irritation

Serious Eye Damage/Irritation

Causes eye irritation

Carcinogenicity

No Data Available

Germ Cell Mutagenicity

No Data Available

Reproductive Toxicity

No Data Available

Respiratory/Skin Sensitization

May cause an allergic skin reaction

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Specific Target Organ Toxicity - Single Exposure

No Data Available

Specific Target Organ Toxicity - Repeated Exposure

No Data Available

Aspiration Hazard

No Data Available

Acute Toxicity

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Irritating to mouth, throat and stomach.

Potential Health Effects - Miscellaneous

0014808-60-7 SILICA, CRYSTALLINE

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

0025068-38-6 BISPHENOL A DIGLYCIDYL ETHER POLYMER

The following medical conditions may be aggravated by exposure: skin disorders. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guin

Chronic Exposure

0014808-60-7 SILICA, CRYSTALLINE

Prolonged inhalation of respirable crystalline silica dust can result in lung disease (i.e. silicosis and/or lung cancer). Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No Data Available

Persistence and Degradability

No data available

Bio-accumulative Potential

No data available

Mobility in Soil

No data available

Other Adverse Effects

No data available

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

Status: Not regulated
UN Number: N/A
Proper Shipping Name: N/A
Hazard Class: N/A
Packaging group: N/A
Marine Pollutant: N/A
Poison Inhalation Hazard: N/A
Reportable Quantity (RQ): N/A

IMDG Information

Status: Not regulated
UN Number: N/A
Proper Shipping Name: N/A
Hazard Class: N/A
Packaging group: N/A
Marine Pollutant: N/A

IATA Information

Status: Not regulated
UN Number: N/A
Proper Shipping Name: N/A
Hazard Class: N/A
Packaging group: N/A

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0025068-38-6	BISPHENOL A DIGLYCIDYL ETHER POLYMER	10% - 30%	SARA312,TSCA
0000090-72-2	2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL	1.0% - 5%	SARA312,TSCA
0014808-60-7	SILICA, CRYSTALLINE	0.1% - 1.0%	SARA312,IARCCarcinogen,NTP_Carcinogen - National Toxicology Program Carcinogens,TSCA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information

System.

OTHER

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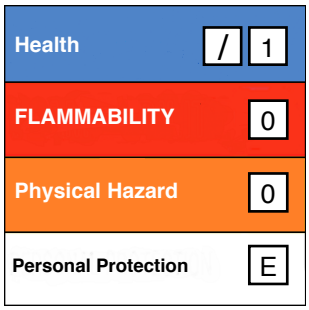
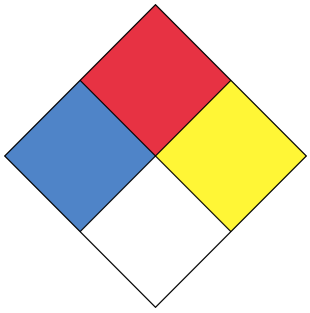
HMIS



NFPA



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 1.0:

Revision Date: Aug 03, 2016

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