

Safety Data Sheet

Section 1. Identification

GHS product Identifier : Shur-Tac Liquid Adhesive
Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against

Shur-Tac is a polymer emulsion based adhesive which is specifically formulated to provide excellent adhesion with all Polyguard® waterproofing and flashing membranes under many kinds of surface conditions.

Supplier's details Polyguard Products, Inc.
4101 South Interstate 45
Ennis, TX 75119
Tel: (800) 541-4994

**Emergency telephone number
with hours of operation)** CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
(24/7)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200) .

**Classification of the substance
or mixture** : Skin Corrosion/Irritation- Category 2
Serious eye damage/eye irritation.- Category 2
Specific target organ toxicity (single exposure) – Category 3

GHS label elements Hazard pictogram



Signal word : Warning
Hazard statement : Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation.

Precautionary statements Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Do not breathe vapor.

Section 2. Hazards identification

- Response** : Collect spillage; Get medical attention if you feel unwell. If exposure or concerned: Get medical attention. IF INHALED: Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing if eye irritation persists: get medical attention. If SWALLOWED: Immediately call a POISON CENTER or physician. DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention.
- Storage** : Store locked up. Store in a well-ventilated place. Keep container tightly closed.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : Not applicable.

Section 3. Composition/information on ingredients

- Substance/Mixture** : Mixture
- Other means of identification** : Not available
- CAS number/other identifiers**
- CAS number** : Not applicable
- Product code** : Not applicable

Ingredient name	%	CAS Number
Acrylic polymers	40-60	*
Ethylene Glycol	1-5	107-21-1

* The exact percentage (concentration) of composition has been withheld as a trade secret. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures.

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention.
- Ingestion** : Wash out mouth with water. If necessary, call a poison center or physician.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : May causes serious eye irritation.
- Inhalation** : May causes respiratory irritation.
- Skin contact** : May causes skin irritation.
- Ingestion** : No information available

Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
Pain or irritation, watering, redness
- Inhalation** : Adverse symptoms may include the following:
Respiratory irritation
- Skin contact** : Adverse symptoms may include the following:
Irritation, redness
- Ingestion** : Adverse symptoms may include the following:
Nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary.

- Notes to physician:** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment
- Protection of first-aiders:** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing the aid to give mouth to mouth resuscitation.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Use of water spray may inefficient.

Specific hazards arising from the chemical : No information available.

Hazardous thermal decomposition products : No information available.

Special protective equipment : Move containers from fire area if this can be done without risk.

Special protective actions for fire fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

For non emergency personal : Evacuate surrounding area. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."

Environmental precautions : Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and materials for containment and cleaning up

Spill : Stop leak if without risk. Move container from spill area. Approach release from upwind. Prevent entry into sewers, water courses. Contain and collect spillage with absorbent material and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. See Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure-obtain special instructions before use. Do not handle until safety precautions have been read and understood. Do not get in eyes or on the skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry cool and well-ventilated area and food and drink. Store locked up. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Ethylene Glycol	ACGIH TLV Ceiling: 100 mg/m ³ aerosol only OSHA PEL (Vacated) Ceiling: 500 ppm /125 mg/m ³

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airbornes contaminants below any recommended or statutory limits.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene measure:

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the work station location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Safety glasses with side shields or chemical splash goggles.

Skin Protection

Hand protection

: Chemical- resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

Respiratory protection : Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid
Color : Pink liquid.
Odor : Slight
Odor threshold : Not available
pH : 6-11
Melting point : No information available
Boiling point : >100 °C (212 ° F)
Flash Point : >100 °C (212 ° F)
Evaporation rate: : No information available
Flammability(solid, gas) : No information available
Lower & upper explosive (flammable) limits : Lower : No information available
 : Upper : No information available
Vapor density : No information available
Vapor pressure : No information available
Relative density : >1
Solubility : Soluble in water.
Partition coefficient: n-octanol/water : No information available
Auto- ignition temperature : No information available
Decomposition temperature : No information available
Viscosity : Viscous
VOC : 100 g/l

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : This product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Conditions to avoid: : Avoid extreme temperatures and direct sunlight.
Incompatible materials : None known
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity : None known

Section 11. Toxicological information

Irritation/Corrosion

Eye contact : Severely irritating to eyes.
 Inhalation : May cause irritation.
 Skin contact : Irritating to skin.
 Ingestion : No data available

Sensitization

Skin : There is no data available
 Respiratory : There is no data available
 Mutagenicity : There is no data available
 Carcinogenicity : There is no data available

Classification

Reproductive toxicity : There is no data available
 Teratogenicity : There is no data available
 Specific target organ toxicity
 (single exposure) : No information available

Specific target organ toxicity
 (repeated exposure) : No information available

Aspiration hazard : No information available

Information on the likely routes of exposure : Routes of entry anticipated: Dermal, inhalation.

Potential acute health effects

Eye contact : Severely irritating to eyes.
 Inhalation : Irritating to skin.
 Skin contact : Irritating to skin.
 Ingestion : No data available

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: Pain or irritation, watering, and redness.
 Inhalation : Adverse symptoms may include the following: Respiratory irritation
 Skin contact : Adverse symptoms may include the following: Irritation or redness.
 Ingestion : Adverse symptoms may include the following: Nausea or vomiting.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards
 Potential delayed effects : No known significant effects or critical hazards

Long term exposure

Potential immediate effects : No known significant effects or critical hazards
 Potential delayed effects : No known significant effects or critical hazards

Potential chronic health effects

General : No known significant effects or critical hazards
 Carcinogenicity : No known significant effects or critical hazards
 Mutagenicity : No known significant effects or critical hazards
 Teratogenicity : No known significant effects or critical hazards

Section 11. Toxicological information

Developmental effects : No known significant effects or critical hazards
Fertility effects : No known significant effects or critical hazards
Target organs : No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates

: Mix (oral)	8,000.00
Mix(dermal)	8,000.00
Mix(inhalation- gas)	99,999.00
Mix (inhalation-dust/mist)	20.00
Mix (inhalation-vapor)	99,999.00

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Ethylene Glycol	EC 50 6500-13000 mg/L	Algae-Pseudokirchneriella Subcapitata	96 hours
	LC50 41000 mg/L	Fish-Oncorhynchus mykiss	96 hours
	LC50 14-18 mL/L	Fish-Oncorhynchus mykiss	96 hours
	LC50 27540 mg/L static	Fish-Lepomis macrochirus	96 hours
	LC50 40761 mg/L static	Fish-Oncorhynchus mykiss	96 hours
	LC50 40000-60000 mg/L static	Fish-Pimephales promelas	96 hours
	LC50 16000 mg/L static	Fish-Poecilia reticulata	96 hours
	EC50 46300 mg/L	Daphnia magna	48 hours

Persistence and degradability : There is no data available

Bio accumulative potential

Product/ingredient name	Partition coefficient
Ethylene Glycol	-1.93

Mobility in soil

Soil/water partition coefficient (K_{oc}) : No data available

Other adverse effects : No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recycled products via a licensed waste disposal contractor. Waste should not be disposed of to a sewer. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

Section 14. Transportation information

DOT/IATA/IMDG : Not regulated

Section 15. Regulatory information

U.S. Federal regulations: : **United States inventory (TSCA 8 b):** all components are listed or exempted
Clean Water Act(CWA) : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Composition/information on ingredients

SARA 311/312 Classification : Acute health hazard

Composition/information on ingredients

SARA 313 : This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

State regulations

California Prop 65 : This product does not contain any Proposition 65 chemicals.

International regulations

International lists : Australia inventory (AICS):Complies
 : Canadian inventory (DSL/NDSL): Complies
 : China inventory (IECSC): complies
 : European inventory (EINECS/ELINCS): Complies
 : Japan inventory(ENCS) : Does not comply
 : Korea inventory(KECL): Complies
 : Philippines inventory (PICCS):Complies

16. Other information

Hazardous Material Information System (USA)

Health -1 Flammability-1 Physical hazards-0

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