



Safety Data Sheet

Polyurethane Sealant/Adhesive White

Section 1. Identification

Product Identifier	Polyurethane Sealant/Adhesive White		
Synonyms	833XX		
Manufacturer Stock Numbers	833XX		
Recommended use	Refer to Technical Data		
Uses advised against	Refer to Technical Data		
Manufacturer Contact			
Address	Star brite Inc. 4041 SW 47th Avenue Fort Lauderdale, FL 33314 USA		
	Phone	Emergency Phone	Fax
	(954) 587-6280	(800) 424-9300 CHEMTREC	N/A

Section 2. Hazards Identification

Classification	CARCINOGENICITY - Category 2 EYE DAMAGE/IRRITATION - Category 2A SENSITIZATION - RESPIRATORY - Category 1 SENSITIZATION - SKIN - Category 1 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 1
Signal Word	Danger
Pictogram	
Hazard Statements	Causes damage to organs through prolonged or repeated exposure: nervous system, sensory organs Causes damage to organs: sensory organs

Causes serious eye irritation
 Causes skin irritation
 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May cause an allergic skin reaction
 Suspected of causing cancer.

Precautionary Statements

Response

Get medical advice/attention if you feel unwell.
 If experiencing respiratory symptoms: Call a poison center/doctor.
 If exposed or concerned: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
 If on skin: Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Wash contaminated clothing before reuse.

Prevention

[In case of inadequate ventilation] wear respiratory protection.
 Avoid breathing dust/fume/gas/mist/ vapors/spray.
 Contaminated work clothing must not be allowed out of the workplace.
 Do not breathe dust/fume/gas/mist/ vapors/spray.
 Do not eat, drink or smoke when using this product.
 Do not handle until all safety precautions have been read and understood.
 Obtain special instructions before use.
 Wear gloves and eye protection/face protection.
 Wear protective gloves.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with applicable local/regional /national/international regulations.

Ingredients of unknown toxicity 2%

Hazards not Otherwise Classified

Additional Information None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
101-68-8	4,4'-Diphenylmethane diisocyanate	0.2% - Max
1333-86-4	Carbon Black	0.3% - Max
1305-78-8	Calcium oxide	1% - 5%
	Plasticizer Mixture	10% - 30%
64742-47-8	Petroleum Distillate	2% - Max
100-41-4	Ethyl benzene	2% - Max
9002-86-2	Polyvinyl chloride	20% - 35%

	Urethane Polymer	25% - 35%
13463-67-7	Titanium Dioxide	3% - Max
1330-20-7	Xylene	6% - Max

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

Most important symptoms and effects, both acute and delayed

Dizziness
Headache
Dizziness
Nausea

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

Unsuitable Extinguishing Media

N/A

Extinguishing media

Suitable extinguishing agents:
Carbon dioxide
Foam
Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents:

Water with full jet

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)
Nitrogen oxides (NO_x)

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)
Isocyanates

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Section 6. Accidental Release Measures

Personal precautions,
protective equipment and
emergency procedures

Ensure adequate ventilation
Keep away from ignition sources

Environmental precautions

Do not allow product to reach sewage system or any water course.

Methods and material for
containment and cleaning
up

Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Do not close them (reaction with water forming carbon dioxide)

Section 7. Handling and Storage

Storage

Requirements to be met by storerooms and receptacles:
Provide ventilation for receptacles.

Information about storage in one common storage facility:
Not required.

Further information about storage conditions:
Keep receptacle tightly sealed.
Store in dry conditions.
Store in a cool place.

Specific end use(s):
No further relevant information available.

Handling

Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure
Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
4,4'-Diphenylmethane diisocyanate	0.005 ppm TWA	0.02 ppm	N/A
Carbon Black	3.5 mg/m ³	3.5 mg/m ³	N/A
Calcium oxide	2 mg/mm ³	5 mg/mm ³	N/A
Plasticizer Mixture	N/A	N/A	N/A
Petroleum Distillate	Not Est.	Not Est.	N/A
Ethyl benzene	100 ppm	100 ppm	125 ppm
Polyvinyl chloride	N/A	N/A	N/A
Urethane Polymer	N/A	N/A	N/A
Titanium Dioxide	10 mg/m ³	15 mg/m ³	N/A
Xylene	100 ppm	100 ppm	150 ppm

Personal Protective
Equipment
Exposure
controls/Protective
equipment

N/A

General protective and hygienic measures:
Avoid close or long term contact with the skin.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke while working.

Breathing equipment:
Use a NIOSH certified vapor cartridge respirator with organic vapor / acid gas
cartridge or engineering controls to ensure zero exposure.
Short term filter device: Filter AB

Protection of hands:
Impervious gloves
The selection of the suitable gloves does not only depend on the material, but
also on further marks of quality and varies from manufacturer to manufacturer.
As the product is a preparation of several substances, the resistance of the
glove material can not be calculated in advance and has therefore to be
checked prior to the application.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

Components with limit
values that require
monitoring at the
workplace

9002-86-2 polyvinyl chloride
TLV 1* mg/m³
*as respirable fraction

13463-67-7 titanium dioxide
PEL 15* mg/m³
*total dust
REL See Pocket Guide App. A
TLV 10 mg/m³

1330-20-7 xylene, mixture of isomers
PEL 435 mg/m³, 100 ppm
REL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm
TLV Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

1305-78-8 calcium oxide
PEL 5 mg/m³
REL 2 mg/m³
TLV 2 mg/m³

101-68-8 diphenylmethane-4,4'-diisocyanate
PEL Short-term value: C 0.2 mg/m³, C 0.02 ppm
REL Short-term value: C 0.2* mg/m³, C 0.02* ppm
Long-term value: 0.05 mg/m³, 0.005 ppm
*10-min
TLV 0.051 mg/m³, 0.005 ppm

Additional information

The lists that were valid during the creation were used as basis.

Section 9. Physical and Chemical Properties

Physical State	Solid, paste
Color	N/A
Odor	Mild xylene odor
Odor Threshold	No data available
Solubility	Nil in water
Partition coefficient Water/n-octanol	No data available
VOC%	55 g/L per EPA Method 24
Viscosity	>= 300,000 centipoise @73.4C
Specific Gravity	1.2
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	No flash point
FP Method	N/A
Ph	Not applicable
Melting Point	No data available
Boiling Point	>= 137C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	No data available
Flammability	Not classified
Decomposition Temperature	N/A
Auto-ignition Temperature	>= 200C
Vapor Pressure	Not applicable
Vapor Density	Not applicable

Note

The above information is not intended for use in preparing product specifications. Contact Star brite before writing specifications.

Section 10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Decomposition Products	None known (None expected)
Possibility of hazardous reactions	Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.
Conditions to Avoid	None known
Materials to Avoid / Incompatibility	None known

Section 11. Toxicological Information

Information on toxicological effects	Acute toxicity (LD/LC50 values that are relevant for classification) 1330-20-7 xylene, mixture of isomers Oral LD50 8700 mg/kg (rat) Dermal LD50 2000 mg/kg (rbt) Inhalative LC50/4 h 6350 mg/l (rat)
Primary irritant effect	On the skin: May be slightly irritant. On the eye: Light irritating effect. Sensitization: Sensitization possible through inhalation.
Carcinogenic categories	IARC (International Agency for Research on Cancer) 9002-86-2 polyvinyl chloride 3 1330-20-7 xylene, mixture of isomers 3 13463-67-7 titanium dioxide 2B 100-41-4 ethylbenzene 2B 1309-37-1 diiron trioxide 3 1333-86-4 Carbon black 2B 101-68-8 diphenylmethane-4,4'-diisocyanate 3 NTP (National Toxicology Program) None of the ingredients is listed.

Section 12. Ecological Information

Toxicity	Aquatic toxicity: No further relevant information available. Persistence and degradability: No further relevant information available.
Behavior in environmental systems	Bioaccumulative potential: No further relevant information available. Mobility in soil: No further relevant information available.
Additional ecological information	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.

Section 13. Disposal

Waste treatment methods	Must be disposed of in an incinerator for hazardous waste according to official regulations.
Uncleaned packagings	Disposal must be made according to official regulations.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	N/A
DOT Classification	N/A
Packing Group	N/A
Ocean Shipment (IMDG)	Not subject to IMDG code.
Road/Rail (ADR/RID)	Not subject to ADR/RID.
Air Shipment (IATA)	Not subject to IATA regulations.
Road Shipment Information (DOT)	Not subject to DOT regulations.

Section 15. Regulatory Information

TSCA	All components are on the US TSCA inventory.
SARA Section 313 (Specific toxic chemical listings)	1330-20-7 xylene, mixture of isomers 100-41-4 ethylbenzene 101-68-8 diphenylmethane-4,4'-diisocyanate
SARA Section 355 (Extremely hazardous substances)	None of the ingredient is listed.
California Proposition 65	Chemicals known to cause cancer: 100-41-4 ethylbenzene 1333-86-4 Carbon black Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed. Chemicals known to cause developmental toxicity: None of the ingredients is listed.
Carcenogenicity Categories	EPA (Environmental Protection Agency) 1330-20-7 xylene, mixture of isomers I 100-41-4 ethylbenzene D 101-68-8 diphenylmethane-4,4'-diisocyanate CBD TLV (Threshold Limit Value established by ACGIH) 9002-86-2 polyvinyl chloride A4 1330-20-7 xylene, mixture of isomers A4 13463-67-7 titanium dioxide A4 100-41-4 ethylbenzene A3 1309-37-1 diiron trioxide A4 1333-86-4 Carbon black A4 77-58-7 dibutyltin dilaurate A4 NIOSH-Ca (National Institute for Occupational Safety and Health) 13463-67-7 titanium dioxide 1333-86-4 Carbon black

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

Section 16. Other Information

Revision Date

6/12/2015

Disclaimer

The data contained herein is based upon information that Star brite believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.