

Safety Data Sheet

Polyurethane Sealant/Adhesive White

Section 1. Identification

Product Identifier

Polyurethane Sealant/Adhesive White

Synonyms

833XX

Manufacturer Stock

833XX

Numbers

Recommended use Uses advised against Refer to Technical Data 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

N/A

CHEMTREC

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 **Pictogram**

Danger





Hazard Statements

Causes damage to organs through prolonged or repeated exposure: nervous

system, sensory organs

Causes damage to organs: sensory organs

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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%

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	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 Headache delayed

Dizziness Dizziness

Nausea

Indication of any immediate No further relevant information available.

medical attention and special treatment needed

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

mixture

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

In case of fire, the following can be released:

Carbon monoxide (CO) Nitrogen oxides (NOx)

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

Hydrogen cyanide (HCN)

Isocyanates

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Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation Keep away from ignition sources

Environmental precautions

Methods and material for

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

Methods and material for

Pick up mechanically.

containment and cleaning up

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

ACGIH TLV	OSHA PEL	STEL
0.005 ppm TWA	0.02 ppm	N/A
3.5 mg/m~	3.5 mg/m [~]	N/A
2 mg/mm3	5 mg/mm3	N/A
N/A	N/A	N/A
Not Est.	Not Est.	N/A
100 ppm	100 ppm	125 ppm
N/A	N/A	N/A
N/A	N/A	N/A
10 mg/m3	15 mg/m3	N/A
100 ppm	100 ppm	150 ppm
	0.005 ppm TWA 3.5 mg/m~ 2 mg/mm3 N/A Not Est. 100 ppm N/A N/A 10 mg/m3	0.005 ppm TWA 0.02 ppm 3.5 mg/m° 3.5 mg/m° 2 mg/mm3 5 mg/mm3 N/A N/A Not Est. Not Est. 100 ppm 100 ppm N/A N/A N/A N/A 10 mg/m3 15 mg/m3

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Personal Protective Equipment Exposure N/A

controls/Protective equipment

Components with limit

values that require

monitoring at the

workplace

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

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.

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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

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Hazardous Decomposition None known (None expected)

Products

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 Materials to Avoid / Incompatibility None known

Section 11. Toxicological Information

Information on toxicological Acute toxicity (LD/LC50 values that are relevant for classification)

effects

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)
On the skin: May be slightly irritant.

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.

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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 Not subject to DOT regulations.

Information (DOT)

Section 15. Regulatory Information

TSCA All components are on the US TSCA inventory.

SARA Section 313 (Specific 1330-20-7 xylene, mixture of isomers

toxic chemical listings) 100-41-4 ethylbenzene

101-68-8 diphenylmethane-4,4'-diisocyanate

SARA Section 355 (Extremely hazardous

substances)

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.

None of the ingredient 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.

Carcenogicity Catagories 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

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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.

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