

XS-XTREMESEALANT[™] ADHESIVE / SEALANT

Tech Support / Sales: 800-334-1676
www.tamlyn.com

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **XS** (XtremeSealant)
Recommended Use: adhesives / sealant
Restrictions on Use: None known

SECTION 2: HAZARDOUS COMPONENT INFORMATION

Classification in accordance with 29 CFR 1910.1200.

Toxic to reproduction, Category 2
Hazardous to the Aquatic Environment - Acute Hazard, Category 3
Hazardous to the Aquatic Environment - Chronic Hazard, Category 3

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

WARNING

Hazard Statement(s)

Suspected of damaging fertility or the unborn child
Harmful to aquatic life with long lasting effects

Precautionary Statement(s) Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Avoid release to the environment.

Response

IF exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

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

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component	Percent
1317-65-3	Calcium Carbonate	30-55
471-34-1	Carbonic acid, calcium salt (1:1)	15-25
53306-54-0	1,2-Benzenedicarboxylic acid, bis(2-propylheptyl)ester	5-15
1760-24-3	N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	0.5-2
13463-67-7	Titanium dioxide	0.1-1
1333-86-4	Carbon black	0.01-0.09

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SECTION 4: FIRST-AID MEASURES

Description of Necessary Measures

Inhalation IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact 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 before reuse.

Eye Contact 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.

Ingestion If a large amount is swallowed, get immediate medical attention.

Most Important Symptoms/Effects

Acute skin irritation and eye irritation.

Delayed reproductive effects

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media None known.

Special Hazards Arising from the Chemical

Hazardous Combustion Products

Combustion: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Special Protective Equipment and Precautions for Firefighters

Fire Fighting Measures May burn, but does not ignite readily. Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

Protective Equipment and Precautions for Firefighters Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.

Methods and Materials for Containment and Cleaning Up

Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Wash thoroughly after handling.

Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep separated from incompatible substances.

Incompatibilities: strong acids, strong oxidizing materials

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Calcium Carbonate (1317-65-3)

OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)
Mexico 10 mg/m³ TWA LMPE-PPT
 20 mg/m³ STEL [LMPE-CT]

Carbonic acid, calcium salt (1:1) (471-34-1)

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Titanium dioxide (White, Gray, Beige and Neutral only) (13463-67-7)

ACGIH: 10 mg/m³ TWA
OSHA: 15 mg/m³ TWA (total dust)
Mexico 10 mg/m³ TWA LMPE-PPT (as Ti)
 20 mg/m³ STEL [LMPE-CT] (as Ti)

Dibutyl tin (818-08-6)

ACGIH: 0.1 mg/m³ TWA (as Sn); 0.2 mg/m³ STEL (as Sn)
NIOSH: 0.1 mg/m³ TWA (except Cyhexatin, as Sn)

Carbon black (*used in Gray and Black ONLY) (1333-86-4)

ACGIH: 3 mg/m³ TWA (inhalable fraction)
OSHA: 3.5 mg/m³ TWA
NIOSH: 3.5 mg/m³ TWA; 0.1 mg/m³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
Mexico 3.5 mg/m³ TWA LMPE-PPT
 7 mg/m³ STEL [LMPE-CT]

Appropriate Engineering Controls Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection Wear appropriate chemical resistant clothing.

Glove Recommendations Wear appropriate chemical resistant gloves.

Protective Materials nitrile

Respiratory Protection Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	paste
Color:	various	Physical Form:	paste
Odor:	mild	Odor Threshold:	Not available
pH:	Not available	Melting Point:	Not available
Boiling Point:	Not available	Decomposition:	Not available
Flash Point:	>200 °F	Evaporation Rate:	Not available
OSHA Flammability Class:	Not available	Vapor Pressure:	Not available
Vapor Density (air = 1):	Not available	Density:	Not available
Specific Gravity (water = 1):	1.3-1.7	Water Solubility:	Slightly soluble
Log KOW:	Not available	Coeff. Water/Oil Dist:	Not available
KOC:	Not available	Auto Ignition:	Not available
Viscosity:	Not available	VOC:	Not available
Volatility:	Not available	Molecular Formula:	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Possibility of Hazardous Reactions

Conditions to Avoid

Incompatible Materials

Hazardous Decomposition Products

Hazardous Decomposition

Combustion:

No reactivity hazard is expected.

Stable at normal temperatures and pressure.

Will not polymerize.

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

strong acids, strong oxidizing materials

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Carbonic acid, calcium salt (1:1) (471-34-1)

Oral LD50 Rat 6450 mg/kg

Titanium dioxide (White, Gray, Beige and Neutral only) (13463-67-7)

Oral LD50 Rat >10000 mg/kg

Information on Likely Routes of Exposure

Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Skin Contact	May cause irritation of the skin. May cause irritation, redness, itching and burning.
Eye Contact	May cause irritation of the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.
Immediate Effects	skin irritation, eye irritation
Delayed Effects	No information is available.
Medical Conditions Aggravated by Exposure	skin disorders, eye disorders
Irritation/Corrosivity Data	Causes skin, eye and respiratory irritation.
Respiratory Sensitization	No information available for the product.
Dermal Sensitization	No information available for the product.
Germ Cell Mutagenicity	No information available for the product.

Carcinogenicity

Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. No pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Component Carcinogenicity

Titanium dioxide (13463-67-7)

- ACGIH:** A4 - Not Classifiable as a Human Carcinogen
- IARC:** Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
- DFG:** Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)
- OSHA:** Present

Carbon black (1333-86-4)

- ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
- IARC:** Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))
- DFG:** Category 3B (could be carcinogenic for man, inhalable fraction)
- OSHA:** Present

Reproductive Toxicity	May damage fertility or the unborn child
Specific Target Organ Toxicity - Single Exposure	No target organs identified.
Specific Target Organ Toxicity - Repeated Exposure	No target organs identified.
Aspiration Hazard	No information available for the product.

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component Analysis - Aquatic Toxicity

Diisononyl phthalate (28553-12-0)

Fish: 96 Hr LC50 Brachydanio rerio: >100 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: >0.14 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: >0.17 mg/L [static]; 96 Hr LC50 Pimephales promelas: >0.19 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >0.14 mg/L [static]

Algae: 72 Hr EC50 Desmodesmus subspicatus: >500 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >1.8 mg/L [static]

Invertebrate: 48 Hr EC50 Daphnia magna: >500 mg/L; 48 Hr EC50 Daphnia magna: >0.06 mg/L [Static]

Persistence and Degradability No information available for the product.

Bioaccumulation No information available for the product.

Mobility No information available for the product.

Biodegradation No information available for the product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

Disposal of Contaminated Packaging Dispose of properly. Recycle if possible.

Component Waste Numbers The U.S. EPA has not published waste numbers for this product's components.

SECTION 14: TRANSPORT INFORMATION

US DOT Information Not regulated as a hazardous material.

TDG Information Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

Acute Health: No **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Calcium Carbonate	1317-65-3	No	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	No	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	Yes	Yes	Yes	Yes

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SECTION 15: REGULATORY INFORMATION

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Calcium Carbonate	1317-65-3	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbonic acid, calcium salt (1:1)	471-34-1	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
1,2-Benzenedicarboxylic acid, bis(2-propylheptyl)ester	53306-54-0	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

Summary of Changes

New SDS: 1.00

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists[™] - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances[®]; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.