

Safety Data Sheet

Material Name: X-Tenda Coat Acrylic Coating

Product #: 303499

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

X-Tenda Coat Acrylic Coating

Product Use

Acrylic elastomeric coating

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle SynTec Systems
1285 Ritner Highway
Carlisle, PA 17013
USA
Phone: +1-800-479-6832
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

Section 2 - HAZARDS IDENTIFICATION

Physical Hazards

Not classified.

Health Hazards

Carcinogenicity Category 2

Environmental Hazards

Hazardous to the aquatic environment, acute hazard Category 3

OSHA Defined Hazards

Not classified.

GHS Label Elements

Symbol(s)



Signal Word

Warning

Hazard Statement(s)

Suspected of causing cancer. Harmful to aquatic life.

Precautionary Statement(s)

Prevention

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



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Response

If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage

Store locked up.

Disposal

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

Hazard(s) not Otherwise classified (HNOC)

None known.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent
Calcium Carbonate	1317-65-3	20 to <30
Aluminum Trihydroxide	21645-51-2	10 to <20
TITANIUM DIOXIDE	13463-67-7	5 to <10
Aqua Ammonia (10-30%)	1336-21-6	0.1 to <1
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER	10605-21-7	0.1 to <1
PARAFFINIC PETROLEUM OIL	64742-54-7	0.1 to <1
Non-Hazardous Ingredients		50 to <60

Section 4 - FIRST AID MEASURES

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist..

Skin Contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eyes Contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms/Effects, Acute and Delayed

Direct contact with eyes may cause temporary irritation.

Indication of Immediate Medical Attention and Special Treatment Needed



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Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information

If exposed or concerned: Get medical advice/attentions. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Foam, Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards arising from the Chemical

During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire Fighting Equipment/Instructions

Move containers from fire area if you can do so without risk.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards

No unusual fire or explosion hazards noted.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and Material for Containment and Cleaning Up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.



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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protections equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Ammonium Hydroxide 20-30% (CAS 1336.21.6)	PEL	35 mg/m ³ 50 ppm	
Calcium Carbonate (CAS 1317-65-3)	PEL	5 mg/m ³ 15 mg/m ³	Respirable fraction. Total dust.
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m ³	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum Trihydroxide (CAS 21645-51-2)	TWA	1 mg/m ³	Respirable fraction.
Ammonium Hydroxide 20-30% (CAS 1336-21-6)	STEL TWA	35 ppm 25 ppm	
PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)	TWA	5 mg/m ³	Inhalable fraction.
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m ³	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
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Ammonium Hydroxide 20-30% (CAS 1336-21-6)	STEL	27 mg/m ³ 35 ppm	
	TWA	18 mg/m ³ 25 ppm	
Calcium Carbonate (CAS 1317-65-3)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection

For prolonged or repeated skin contact use suitable protective gloves.

Other

Wear suitable protective clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal Hazards

Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance			
Physical State	Liquid	Form	Liquid
Color	Not Available	Odor	Not available
Odor Threshold	Not Available	pH	Not Available



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Melting Point/Freezing Point	Not Available	Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Available	Evaporation Rate	Not Available
Flammability (solid, gas)	Not Applicable		
Upper/Lower Flammability or Explosive Limits			
Flammability Limit – Lower (%)	Not Available	Flammability Limit – Upper (%)	Not Available
Explosive Limit – Lower (%)	Not Available	Explosive Limit – Upper (%)	Not Available
Vapor Pressure	Not Available	Vapor Density	Not Available
Relative Density	Not Available	Solubility(ies) Solubility (water)	Not Available
Partition coefficient (n-octanol/water)	Not Available	Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available	Viscosity	Not Available
Other Information			
Density	11.8 lbs/gal	Flammability Class	Not Available
Percent Volatile	Not Available	Specific Gravity	1.39
VOC	<50 g/L		

Section 10 - STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Contact with incompatible materials.

Incompatible Materials

Fluorine.

Hazardous Decomposition Products

No hazardous decomposition products are known.

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Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Prolonged inhalation may be harmful.

Skin Contact

No adverse effects due to skin contact are expected.

Eye Contact

Direct contact with eyes may cause temporary irritation.

Ingestion

Expected to be a low ingestion hazard.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Direct contact with eyes may cause temporary irritation.

Information on Toxicological Effects

Acute Toxicity

Components	Species	Test Results
Aluminum Trihydroxide (CAS 21645-51-2)		
Acute Oral LD50	Rat	> 5000 mg/kg
Aqua Ammonia (10-30%) (CAS 1336-21-6)		
Acute Oral LD50	Rat	350 mg/kg
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)		
Acute Dermal LD50	Rabbit Rat	> 2000 mg/kg 2000 mg/kg
Oral LD50	Guinea pig Mouse Rat	> 5000 mg/kg 11000 mg/kg > 5000 mg/kg

*Estimates for product may be based on additional component data not shown.

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.



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Serious Eye Damage/Eye Irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization

Respiratory Sensitization

Not a respiratory sensitizer.

Skin Sensitization

This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

TITANIUM DIOXIDE (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

PARAFFINIC PETROLEUM OIL (CAS 64742-54-7) Known To Be Human Carcinogen.

Reproductive Toxicity

This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity – Single Exposure

Not classified.

Specific Target Organ Toxicity – Repeated Exposure

Not classified.

Aspiration Hazard

Not an aspiration hazard.

Chronic Effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life.

Components	Species	Test Results
Aqua Ammonia (10-30%) (CAS 1336-21-6)		
Aquatic Fish LC50	Western Mosquitofish (Gambusia affinis)	15 mg/l, 96 hours
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)		



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Aquatic Fish LC50	Channel catfish (<i>Ictalurus punctatus</i>)	0.009 - 0.015 mg/l, 96 hours
TITANIUM DIOXIDE (CAS 13463-67-7)		
Aquatic Crustacea EC50	Water flea (<i>Daphnia magna</i>)	> 1000 mg/l, 48 hours
Fish LC50	Mummichog (<i>Fundulus heteroclitus</i>)	> 1000 mg/l, 96 hours

*Estimates for product may be based on additional component data not shown.

Persistence and Degradability

No data is available on the degradability of this product.

Bioaccumulative Potential

Partition coefficient n-octanol / water (log Kow)

CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER 1.52

Mobility in Soil

No data available

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local Disposal Regulations

Dispose of in accordance with all applicable regulations.

Hazardous Waste Code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from Residues / Unused Products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.



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Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not regulated as dangerous goods.

IATA Information:

UN#: Not regulated as dangerous goods.

IMDG Information:

UN#: Not regulated as dangerous goods.

Section 15 - REGULATORY INFORMATION

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Aqua Ammonia (10-30%) (CAS 1336-21-6)	Listed.
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHY	Listed.
ESTER (CAS 10605-21-7)	

SARA 304 Emergency Release Notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard – No
	Delayed Hazard – Yes
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

SARA 302 Extremely Hazardous Substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

<u>Chemical name</u>	<u>CAS number</u>	<u>% by wt.</u>
Aqua Ammonia (10-30%)	1336-21-6	0.1 to <1



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Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US State Regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)

TITANIUM DIOXIDE (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

Aqua Ammonia (10-30%) (CAS 1336-21-6)

Calcium Carbonate (CAS 1317-65-3)

TITANIUM DIOXIDE (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Aqua Ammonia (10-30%) (CAS 1336-21-6)

Calcium Carbonate (CAS 1317-65-3)

CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)

TITANIUM DIOXIDE (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Aqua Ammonia (10-30%) (CAS 1336-21-6)

Calcium Carbonate (CAS 1317-65-3)

TITANIUM DIOXIDE (CAS 13463-67-7)

US. Rhode Island RTK

Aqua Ammonia (10-30%) (CAS 1336-21-6)

CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

TITANIUM DIOXIDE (CAS 13463-67-7) Listed: September 2, 2011

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China(IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No



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New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing county(s).

Section 16 - OTHER INFORMATION

Summary of Changes

Revision Date: September 20, 2018

Revision Note: General Update

HMIS® Ratings

Health: 1*, Flammability: 0, Physical Hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA Ratings

Health: 0, Flammability: 0, Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; 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; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; 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; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; 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

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other



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companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.