

3A Composites

Safety Data Sheet

Sintra® Initial Release Date: August 28, 2002

Revised: January 7, 2015

Section I	Product Identification
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Manufacturer:	3A Composites USA, Inc. 208 W. 5 th Street, P.O. Box 507 Benton, KY 42025 (270) 527-4200
Emergency Phone Number:	1-800-424-9300 Chemtrec To be used only in the event of chemical emergencies involving a spill, leak, fire, and exposure accidents involving chemicals.
Trade Name:	Sintra® & E-PVC™
Synonym:	Expanded PVC Sheet, Polyvinyl Chloride Sheet, Foamed PVC

Section II	Hazard Identification
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These products are an “article” as defined in 29 CFR 1910.1200. It will not result in exposure to hazardous components under normal conditions. The standard applies to “chemicals” but it does not apply to any substance, which is an “article”. The term “article” is defined in the OSHA warning rule, as a manufactured item: 1) which is formed to a specific design during manufacture, 2) which has end use function(s) dependent in whole or in part upon its’ shape or design during end use, and 3) which does not release, or otherwise result in exposure to hazardous chemical under normal conditions of use.

There are no known hazardous materials contained in this product.

Section III	Chemical Composition
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Ingredients:	CAS Number	Percent % (by weight) ¹
Polyvinyl Chloride	9002-86-2	75 – 90

Section IV	First Aid Measures
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These products are not considered to be a health hazard in the form in which they are sold (sheet, panel). However, if these products are abraded, melted, welded, cut or processed in any manner that causes release of fumes or dusts, hazardous levels of fumes or dusts may be generated from these products.

If contact with eyes, wash immediately under water for at least 15 minutes. For inhalation exposure, remove to fresh air. Contact a physician.

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Section V Fire Fighting Measures

Extinguishing Media: Co₂, dry chemical or water spray

Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn.

Unusual fire and explosion hazards: PVC will burn in the presence of supported combustion and will emit hydrogen chloride gas, benzene, water, carbon dioxide and smoke.

Because static sparking can occur during handling, all flammable materials should be removed from the immediate vicinity.

Section VI Accidental Release

In case of spill: Shovel material into a suitable container. Do not contaminate soil, ground water or surface water.

Section VII Handling and Storage

Storage and Handling Precautions: Store in a flat dry area

Exercise caution in all thermal forming activities

Section VIII Exposure Controls

Ingredient	OSHA Exposure Limit		ACGIH
	Total	Respirable	TLV
Polyvinyl Chloride	15mg/m ³	5mg/m ³	10mg/m ³

Respiratory Protection: An approved NIOSH/MSHA respirator must be used when engineering controls cannot be implemented to control dust concentrations. Reference OSHA 1910.134 for specific requirements.

Ventilation: Local exhaust. Reference OSHA 1910.94 for specific requirements.

Eye: Eye protection must be worn when working in dust concentrations and

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during sawing or other operations which might cause flying debris.
Reference OSHA 1910.133 for specific requirements.

Protective Gloves: Gloves should be used to prevent cuts or abrasions.



Section IX	Physical and Chemical Properties
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Appearance:	Solid Plastic Sheet
Odor:	Odorless
Odor Threshold:	N/A
PH:	Not Determined
Melting Point:	>350 °F
Initial Boiling Point/Boiling Range:	N/A
Flash Point:	(ASTM) >700 °F
Evaporation Rate:	N/A
Flammability:	N/A
Upper/lower explosive limit:	NA
Vapor Pressure:	NA
Vapor Density:	N/A
Specific Gravity:	0.45 – 1.4 g/cm ³ range
Solubility:	Not soluble in water
Partition coefficient:	N/A
Auto-Ignition:	N/A
Decomposition Temperature:	>392 °F
Viscosity:	N/A

Section X	Stability and Reactivity
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Stability:	Stable
Substances to Avoid:	Alkali's, acids and solvents
Hazardous Decomposition:	Hydrogen Chloride Gas, Benzene, Water, Carbon Dioxide, Metal Oxides and smoke.

Section XI	Toxicology Information
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Effects of Overexposure:

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Acute: Physical irritation of the eyes may result from overexposure to high concentrations of dust from certain fabricating operations.

Chronic: Studies have shown that workers exposed for long periods to high concentrations of respirable PVC dust may retain the dust in their lungs. There is no evidence of a toxic response associated with such PVC dust retention.



Section XII	Ecological Information
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Material is not biodegradable.
Material is not bio accumulative
Material is recyclable

Section XIII	Disposal Information
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Waste Disposal: Dispose of waste materials in accordance with Federal, State and local regulations

Section XIV	Transportation
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DOT: Not regulated
IMDG: Not regulated

Section XV	Regulatory Information
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REACH: Pursuant to Title II article 7 of the regulation this product is exempt from registration and notification and is therefore compliant with the REACH regulation.

RoHS: Sintra® and E-PVC™ products are compliant with the RoHS standard

California Proposition 65: Sintra® products are not known to contain Prop 65 listed materials and are therefore compliant with the regulation.

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Section XVI

Other Information

Abbreviations:

NA = Not Applicable. CAS = Chemical Abstract Service

OSHA = Occupational Safety and Health Administration. PEL = Permissible Exposure Limit

STEL = Short Term Exposure Limit. ACGIH = American Conference of Governmental Industrial Hygienist. TLV = Threshold Limit Value.

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End of Safety Data Sheet