

3A Composites

Material Safety Data Sheet

Sintra[®]

Initial Release Date: August 28, 2002

Revised May 6, 2011

Section I	Product Identification
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Manufacturer: 3A Composites USA, Inc.
208 W. 5th 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, Sintra[®] Standard Density, Sintra[®] Low Density

Section II	Material Identification and Information
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Ingredients	Percent (%) (By wt.)	Occupational Exp. Limits	
		(TWA) ACGIH	(PEL) OSHA
Polyvinyl Chloride	70-85	10.0 mg/m ³	15.0 mg/m ³ Total ⁽¹⁾ 5.0 mg/m ³ Resp. ⁽¹⁾

This product is an "article" as defined in 29 CFR 1910.1200. It will not result in exposure to hazardous components under normal conditions of use.

Section III	Physical Properties
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Appearance and odor: Odorless, plastic sheet

Melting point: >350 °F

Sp. Gravity: 0.5 – 0.9 g/cm³ range

Solubility: Insoluble in water

Section IV	Fire and Explosion Data
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Auto Ignition: N/A

Flash point: (ASTM D-1929) >700 °F

Extinguishing media: CO₂, dry chemical, or water spray.

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Special fire fighting procedure:	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 monoxide, carbon dioxide, and smoke.

Section V	Reactivity Data
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Stability:	Stable
Incompatibility:	None known
Decomposition products:	Reference: "Unusual fire and explosion hazards", Section IV

Section VI	Health Hazard Data
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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 this product.

Effects of overexposure:

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.
Special Instructions:	Avoid prolonged inhalation of high dust concentrations and ingestion of material. Wash hands before eating, drinking or smoking. Wear proper eye and respiratory protection when working in areas of high dust concentrations. Care should be taken during thermoforming operations. When temperatures exceed 350 °F, decomposition of the material may occur.
Emergency and first aid procedures:	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 VII	Storage, Handling, and Disposal Data
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Waste disposal:	Care must be taken when using or disposing of material debris to prevent environmental contamination. Dispose of the debris in accordance with the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act and all state or local laws / regulations regarding disposal.
Storage and handling precautions:	Store in a flat dry area Exercise caution in all thermal forming procedures.

Section VIII	Personal Protection Data
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Primary routes of entry are:	Inhalation and ingestion
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 during sawing or other operations which might cause flying debris. Reference OSHA 1910.133 for specific requirements.
Protective glove:	Gloves should be used to prevent cuts or abrasions.

Section IX	Regulatory
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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® products are compliant with the RoHS standard.

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