

SDS - CR Type 1 PVC



1. Identification of substance/ trade name	CR Type 1 PVC
2. Possible dangers	This product is an "article" as defined in 29 C.F.R. Section 1910.1200. It will not result in exposure to hazardous chemicals under normal conditions of use. Component: Polymer of polyvinylchloride ACGIH TLV: not applicable OSHA PEL: not applicable Carcinogen status (NTP): No IARC monograph: No OSHA regulated: No
3. Composition / Indications to components	Synonyms: Rigid PVC Chemical characteristics: Polymer of polyvinylchloride CAS-Registration-No.: not applicable Formula: not applicable
4. First-aid measures	General comment: Medical aid is not necessary Effect of Overexposure: Acute: Vapors and fumes from processing, especially at elevated temperatures, may cause irritation of the eye, throat and upper respiratory apparatus. Chronic: The following materials are minor encapsulated components of the product and are not believed to constitute an exposure hazard. However, good industrial hygiene practices should be followed to avoid ingestion or inhalation of fumes or dust. Antimony trioxide: Antimony compounds are generally less toxic than antimony. Principal organs attacked include certain enzyme systems (protein and carbohydrate metabolism), heart, lungs, and the mucous membrane of the respiratory tract. Chronic poisoning present symptoms of dry throat, nausea, headache, sleeplessness, loss of appetite and dizziness. Liver and kidney degenerative changes are late manifestations. Organotin compounds: Causes irritation of the eyes and upper respiratory tract. Produces mild conjunctivitis of the eye. Some people may have an allergic response. Emergency and first aid procedures: Remove affected individuals to fresh air and call physician. If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person. Routes of exposure: none
5. Fire-fighting measures	Flammable limits (STP in air): Lower limits: not applicable - Upper limits: not applicable Fire extinguishing media: CO2, foam, dry chemical, water spray or fog. Personal protection for fighting fire: Fire fighters must wear positive-pressure, self-contained breathing apparatus and full protective clothing.

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5. Fire-fighting measures cont.	Hazard warning notice: Because static sparking can occur during handling, all flammable materials should be removed from the immediate vicinity.
6. Measures in case of unintended release	Person-related measures: none Environmental protection measures: not applicable Cleaning equipment: not applicable Unsuitable cleaning products: not applicable In case of spill: Shovel spilled material into suitable container. Do not contaminate soil, groundwater, or surface water Disposal method: Incinerate or use RCRA permitted landfill. Follow all federal, state, and local regulations.
7. Handling and storage	Handling: Measures during which smoke gases and vapours are released should be performed with good ventilation. Do not store or consume food in the processing area. Dust and fine particles of dust may develop during processing. Powder, dust and/or fine dust can constitute the risk of a dust explosion. Storage: Avoid excess heat. Do not store near combustible agents. Storage rooms with sprinklers are recommended.
8. Exposure controls / personal protection	Technical measures (in processing): Always ensure there is effective ventilation and – where necessary – a local extraction system in order to keep away any smoke gases, vapors and/or dust. Personal safety equipment: Breathing masks: If ventilation is adequate, there is no need to wear a breathing mask. Small particles of this product may form during processing. If it is not possible to avoid inhaling particles, a breathing mask must be worn to protect against dust. Hand protection: No special safety equipment required. If material is hot, protective gloves must be worn for handling. Eye protection/body protection: No special safety equipment required.
9. Physical and chemical properties	<u>Phenotype</u> Phenotype / form: semi-finished product, solid state Color: dark grey, white Smell: not applicable <u>Change of state</u> <u>Other remarks</u>
10. Stability and reactivity	Thermal decomposition: above appr. 392°F Dangerous decomposition products: Burning in an open flame may yield toxic hydrogen chloride gas and metal oxides. Burning will also emit dense black smoke. No heavy metals. Use of stabilisers: none Exothermic reactions: none Notices regarding state of aggregation: none Conditions to be avoided: Avoid contact of heated PVC sheeting or film with acetal or acetal copolymers and with amine-containing materials. At elevated temperatures, these materials are mutually destructive and involve rapid degradation of the products. Substances/media to be avoided: Contact with alkali, acids and solvents HMIS ratings (scale 0-4): health = 0, flammability = 1, reactivity = 0

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11. Toxic indications	No toxicity tests have been performed for this material. No harm to health was observed over a period spanning several years.
12. Ecological indications	No biodegradation, no solubility in water, no effects being harmful to the environment must be expected. Mobility: not applicable Accumulation: not applicable Eco-toxicity: not applicable
13. Waste-disposal indications	Waste must be recycled or incinerated at approved facilities or disposed of at refuse tips in accordance with federal, state and local regulations. Waste key for the unused product: EAK-Code 120 105 Waste name: waste of Polyvinylchloride.
14. Transport indications	This product is not subject to any regulations as far as national or international transport is concerned. No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none Special marking for containers: none Proper shipping name: not regulated Since empty containers retain product residue, follow hazard precautions even after container is emptied.
15. Instructions	All parts of this product are included either on the list of chemicals in the U.S. Poison Control Act or meet TSCA regulations (U.S. TOXIC SUBSTANCES ACT à TSAC) Water hazard class: 0 (self-classification)
16. Further indications	A&C Plastics has no control over the conditions under which this material is used and therefore does not guarantee that results described herein will be achieved. Each user is responsible for conducting their own tests to determine the material's suitability for their specific application. A&C Plastics and its distributors assume no liability for losses resulting from improper installation or use of the material. As part of our policy of continuous product development, please verify with A&C Plastics that you have the most current information available.