

Earthworks System

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MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

COMPANY:	Earthworks System
ADDRESS:	33200 Bainbridge Rd, Solon, OH 44139
TRADE NAME:	Recycled Rigid Polyvinyl Chloride
SYNONYMS:	N/A
CAS NUMBER(S):	Available upon request
TELEPHONE NUMBER:	(440) 349-3434

2. HAZARDOUS INGREDIENTS NONE

3. HAZARDS IDENTIFICATION

Carcinogenic:

IARC has determined that there is inadequate evidence of carcinogenicity of a poly chloride resin in both animals and humans. The overall evaluation of polyvinyl chloride is Group 3, meaning that it is not classifiable as a carcinogen (IARC Vol. 19, 1979). Polyvinyl Chloride is not listed as a carcinogen by OSHA, NIOSH, NTP, IARC or EPA.

4. PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:	1.30 – 1.50	MELTING POINT:	N/A
BOILING POINT:	N/A	VAPOR PRESSURE (mm Hg):	N/A
SOLUBILITY IN WATER:	Insoluble	VAPOR DENSITY:	N/A

APPEARANCE: Smooth, matte finish; sheets or rolls

5. FIRE AND EXPLOSION DATA

FLASH POINT:	>600 °F	AUTO IGNITION TEMPERATURE:	N/A
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EXTINGUISHING MEDIA: Water spray, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Rigid PVC is self-extinguishing; Use self-contained breathing apparatus if fighting fire in confined space.

UNUSUAL FIRE OR
EXPLOSION HAZARD

PVC evolves hydrogen chloride, carbon monoxide, dense smoke and other gases when burned; Do not allow fire fighting runoff to enter waterways.

6. HEALTH HAZARD INFORMATION

EYES: Immediately flush eyes with plenty of water for at least 15 minutes.
Obtain medical attention if irritation persists for more than 15 minutes.

INHALATION: No adverse effects anticipated under normal conditions.
However, if vapor or fume exposure occurs, remove victim to fresh air and obtain medical attention if irritation persists.

INGESTION: No adverse effects anticipated under normal conditions.
However, if product is swallowed call a doctor.
Do not induce vomiting unless instructed to do so by a doctor.

SKIN: No adverse effects anticipated under normal conditions.
However if vapor/fume exposure occurs wash skin thoroughly with soap and water.
Obtain medical attention if irritation persists.

7. EXPOSURE LIMITS

Vinyl Chloride (all compounds)

ACGIH•TLV: 1 ppm 8 hr-TWA 5 ppm STEL/Ceiling OSHA-PEL: 1 ppm 8 hr - TWA

8. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Do not allow this product to come into contact with acetal or acetal copolymers. PVC and acetal polymers are mutually destructive and involve rapid degradation of their product components.

INCOMPATIBILITY: Acetal or acetal copolymers

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, CO, CO₂ (above 570 °F)

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None

9. ACCIDENTAL RELEASE PROCEDURES

In case of spill, sweep scoop or vacuum material into an approved container and dispose of in accordance with all federal state and local regulations. If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal since the product use, transformation and mixture may change the classification.

10. EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION RECOMMENDATIONS: General ventilation for thermal processing and nuisance odor control

PERSONAL PROTECTIVE EQUIPMENT:

- Eyes: safety glasses
- Skin: None anticipated under normal conditions; if fumes or vapors are present, impervious clothes and gloves are recommended
- Respiratory Protection: None anticipated under normal conditions; however, if fumes or vapors are present a NIOSH air purifying respirator that meets the requirements of 29 CFR 1910.134 should be used. Full-faced self contained breathing apparatus may be needed when dealing with fumes from product combustion (fire)

11. SHIPPING AND STORAGE

- This product is not a hazardous material as defined by the US Department of Transportation nor is it a dangerous good as defined by IATA for air transportation
- Extended storage or transport at temperatures above 150°F should be avoided to prevent potential product degradation

NOTE: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all

risk of use, storage, handling and disposal of the product in compliance with applicable federal, state and local laws and regulations Earthworks System, Inc. makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. Earthworks System, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of where it is claimed that the information and data are inaccurate, incomplete or otherwise misleading. This information relates to the material designated and may not be valid for such materials used in combination with any other materials nor in any process.

Revision: 001 1/28/08 Compliance Department