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Version 1.1

MATERIAL SAFETY DATA SHEET

TRADE NAME: SCREENFLEX™ PVC

1 – IDENTIFICATION OF PRODUCT AND COMPANY

- Identification of product: Polyvinyl Chloride Flexible Strip and Sheet
- Chemical family: Polymer
- Product description: Amorphous flexible polymer, transparent, colored and translucent or colored and opaque.
- Supplier:



Clearway
245 Scotland Drive
Alabaster, AL 35007
Phone: 800.219.1315
Fax: 888.501.1096
Web site: www.clearwaydoor.com

2 – HAZARDS IDENTIFICATION

- Possible risk of impaired fertility. Possible risk of harm to the unborn child. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EINECS-No	Classification	Concentration
Phenol, isopropylated, Phosphate (3:1)	68937-41-7	273-066-3	Xn, R62-63	>3%
Triphenyl phosphate	115-86-6	204-112-2	N, R50/53	>3%

For the full text of the R phrases mentioned in this Section, see Section 16

4 – FIRST AID

- Inhalation of thermal decomposition products:
 Use suitable respiratory protection, move the affected person away quickly and use artificial respiratory. If not breathing, seek medical advice.
- Contact with the skin:
 Contact with the hot or melted product: treat in the same way as a thermal burn without chemical action, wash immediately and copiously with cold water. Do not attempt to remove material adhering to the skin.

5 – FIRE-FIGHTING MEASURES

- Firefighting procedure:
 Spray with water to cool fire exposed surfaces and protect people from heat.
- Appropriate extinguishing media:
 Water, atomized water, powder, foam, carbon dioxide (CO₂): all means of extinguishing are acceptable.

- Specific danger:
Releasing of dense smoke and acid fumes.
- Special protective equipment for firefighters:
Wear personal breathing apparatus to allow for hydrochloric gas that may be released. Protect exposed skin areas.

6 – ACCIDENTAL RELEASE MEASURES

- Individual precautions :
Not applicable.
- Environmental precautions :
Do not discharge into the environment (sewers, rivers, soils ...) but dispose into controlled areas.
Flexible PVC is suitable for recycling, even several cycles.

7- STORAGE AND HANDLING

- Storage :
Store away from heat, sources of ignition (naked flame) and humidity.
Provide normal ventilation of rooms.
Incompatible material: none

8 – EXPOSURE CONTROL/PERSONAL PROTECTION

- Test parameter:
Not applicable.
- Personal equipment protection:
Not applicable.

9 – PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:
Physical state: solid, semi-rigid.
Shape: strips or panels of variable widths, thickness and length.
Color: transparent, colored and translucent, colored and opaque.
Odor: characteristic, which disappears in time.
- pH:
Not applicable.
- Melting temperature :
140-170°C.
- Decomposition temperature:
Decomposition depends on temperature and exposure time:
> 120°C for extended period of exposure (ca. 3 hours);
> 250°C for brief exposure.
- Flashpoint:
Not applicable.
- Self-ignition temperature:
Approximately 380°C.
- Explosiveness characteristic:
None.
- Vapor pressure:
Not available.
- Vapor density:
Not available.
- Specific density:
1.2 to 1.5 kg/dm³ at 20°C.
- Solubility:
Hydro solubility: not soluble.
Lipo solubility (solvent, oil): more or less soluble in solvents such as ketones, esters, benzene, cyclohexane, trichloroethylene, tetrahydrofurane.
- Calorific power:

Approximately 17 Mega Joules/kg.

10- STABILITY AND REACTIVITY

- Stability:
Stable under normal storage conditions.
- **Hazardous decomposition products** :
Carbon monoxide (CO)
Carbon monoxide (CO₂)
Hydrochloric gas (HCl)
Oxides of phosphorus

11- TOXICOLOGICAL INFORMATION

- Acute toxicity:
Not available
- Local effects:
Can be considered as non-irritant.
The thermal decomposition products are irritants and possibly corrosive to skin, eyes and respiratory mucous membrane.

12 – ECOLOGICAL INFORMATION

PVC is a biologically inert polymer and its biodegradation is difficult.
Contains ingredients dangerous for the environment.

13 – DISPOSAL CONSIDERATION

- Product disposal:
Place in suitable container for disposal. Recycling is possible, even several times.
Dispose of in accordance with the appropriate Federal, State, and local regulations.
- Packaging treatment:
Reusing is possible (except for food contact purposes).

14 – TRANSPORT INFORMATION

- International regulation: Not regulated.

15 – REGULATORY INFORMATION

DSL: listed
EINECS: listed
AICS: listed
KECI: listed
ENCS: listed
PICCS : listed
IECSC: listed
TSCA: listed

16 – OTHER INFORMATION

- R-phrases :
 - o R62 : Possible risk of impaired fertility
 - o R63 : Possible risk of harm to unborn child.
 - o R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Avoid exposing to excessive heat which could result in the generation of irritating fumes.

The information given in this data sheet comes from sources that we consider reliable and is based on the current state of our knowledge relative to the concerned product.

The attention of users is also drawn to the risks that can be incurred when a product is used for other purposes than that for which it was designed.

The conditions or methods of handling, storage, use or disposal of the products are beyond our control and may not be within the scope of our knowledge.

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