



PRODUCT BACKGROUNDER

ARCEL[®] Resins

Important! For detailed information on this product and emergency measures, obtain the Material Safety Data Sheet (MSDS). In the case of an emergency, please call our 24-hour hotline at 1-800-561-6682 or 1-403-314-8767.

May also be called: Mixture of Poly (Ethylene-Vinyl Acetate) and Styrenic Polymer

Product/Substance Use:

- This product is manufactured by NOVA Chemicals' Beaver Valley (Monaca, PA) facility.
- This product is used in the manufacture of toys, packaging, flotation, helmets, jet skis and boogie boards.

Characteristics and Safe Handling:

- Product is a solid, white bead with a slight hydrocarbon odor.
- This product can release isopentane- a gas that is flammable in the presence of open flames, lit smoking materials (cigarettes), sparks, static electricity discharges, or heat. Product must be kept away from potential ignition sources.
- The pentane vapor, because it is heavier than air, may accumulate in low spots such as trenches, sumps, and in confined areas such as trucks, trailers, containers, stairwells or storage spaces. Provide adequate ventilation to avoid vapor buildup.
- High concentration of airborne powders or dusts may form an explosive mixture in air. Use grounded material handling and transfer systems to dissipate buildup of static electricity.
- Certain grades of ARCEL must be transported and stored refrigerated (below 40°F or 4°C) to ensure quality.
- Upon decomposition, ARCEL may emit styrene, carbon monoxide, carbon dioxide and other toxic gases at elevated temperatures.
- This product is regulated as a hazardous material/dangerous good for transportation (UN2211).

Health and Safety Information:

- Because ARCEL can release a flammable gas, the principal safety hazard is fire. Eliminate all sources of ignition. Provide adequate ventilation.
- Shipping containers, trucks and trailers should be ventilated for at least 15 minutes prior to unloading.
- Avoid inhalation and ingestion. This product may release vapors that are irritating to the eyes, nose, throat, and skin. Exposure to vapors may cause headache, nausea, shortness of breath and cough.
- Avoid contact with skin and eyes. Repetitive handling may cause irritation. Contact with hot or molten material may cause severe thermal burns, and possible permanent injury or blindness.
- Seek medical attention if symptoms develop or persist.
- Spilled product and loose beads may cause a slipping hazard. Do not stand or walk on spilled beads. Clean up and recover any loose beads.

Environmental Information:

- This product is expected to be non-toxic, but small particles may have physical effects on terrestrial and aquatic organisms. Blowing agents may be hazardous to aquatic life. Expected to be inherently non-biodegradable.
- If spilled, prevent entry into sewers, basements or confined areas; dike if needed. Material may sink or float in water.
- Beads do not degrade in soils or in landfill and should be fully recovered from land spills. Attempt to reuse/recycle where possible. Use appropriate non-sparking tools to collect and place spilled material into a recovery container. Product should not be considered a hazardous waste if it is discarded; however, federal, state/provincial, and local environmental regulations should be referred to prior to disposal.
- Beads may accumulate in the digestive systems of sea birds and other marine life, with the potential to result in death by starvation.
- This product is considered to have little potential for bioaccumulation or food chain concentration.

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For more information on this, or any other NOVA Chemicals product, please contact us at the nearest location below during business hours or visit our website at www.novachemicals.com:

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