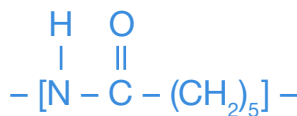


Nylon 6

May 2018



Chemical Name	Nylon 6
Chemical Category (if applicable)	Polymer
Synonyms	Polyamide 6; Poly(caprolactam); 6-Aminohexanoic acid homopolymer; Caproamide polymer; Hexahydro-2H-azepin-2-one homopolymer
CAS Number	25038-54-4
CAS Name	Polyamide-6
EC (EINECS) Number	None
Document Number	GPS0038 V1.0

Description

- Nylon 6 is used in the manufacture of tire cord, carpets and rugs, textiles for apparel (e.g., sportswear, swimwear, casual and fashion wear, and hosiery), engineered plastics (e.g., in the automotive industry), and plastic packaging film.
- Good manufacturing practice, good industrial hygiene practice, and use of local exhaust ventilation at thermal processing emission points during the manufacture of nylon 6 prevent exposure. Processors should evaluate the need for local exhaust ventilation at each processing emission point. These considerations should include secondary operations (cutting, regrinding, chopping, etc.) that follow thermal processing. Workplace exposure limits have been recommended for use of caprolactam (a chemical intermediate used in the manufacture of nylon 6) in worksite safety programs. Please see the Safety Data Sheet (SDS) for additional information.
- Nylon 6 is an insoluble, white to off-white solid.
- Nylon 6 pellets or dusts in contact with skin may cause mechanical irritation. Hot or molten polymer can burn the skin and thermal processing fumes/vapors may irritate the eyes. Thermal processing fumes/vapors or dusts may also irritate the mucous membranes of the nose and throat.
- There are no chronic (long-term) effects or reproductive/developmental effects associated with nylon 6.
- The cancer risk for nylon 6 is extremely low.
- Although nylon 6 is not readily biodegradable, it is unlikely to impact the aquatic environment because it is insoluble in water. Its physical impact on the environment is considered negligible.

Useful Resources

For more information about this product, [contact AdvanSix](#).

Contact AdvanSix

To learn more about nylon 6 visit AdvanSix.com/chemicalintermediates or call:

1-844-890-8949 (toll free, U.S./Can.)

+1-973-526-1800 (international)

AdvanSix

300 Kimball Drive, Suite 101
Parsippany, NJ 07054

This product safety summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Safety Data Sheet which should be consulted before use of the chemical. The product safety summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.



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