

Product Safety Summary

Alpha-Pinene

CHEMICAL IDENTITY

Synonyms: Terpenes and terpenoids

Trade Name: SYLVAPINE™ A

PHYSICAL/CHEMICAL PROPERTIES

- Alpha-pinene is a colorless liquid with the odor of turpentine.
- This product is flammable and lighter than water. Material will float on water and may ignite on the surface of water.
- Alpha-pinene vapors are heavier than air. Vapors can collect in low areas with the possibility of flashback.
- Alpha-pinene is volatile and will evaporate at room temperature.
- Alpha-pinene is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur.

HEALTH INFORMATION

- Skin and inhalation exposure are minimal with normal industrial use and the application of good industrial hygiene principles including proper protective equipment such as gloves, respirators, goggles, etc., and adequate ventilation.
- Ingestion of this material poses a potential aspiration hazard and may be harmful.
- Skin contact causes irritation and may result in an allergic reaction.
- Refer to appropriate Kraton Safety Data Sheet (SDS) for more information.

Environmental Information

Alpha-pinene is classified as very toxic to aquatic life with potential long lasting effects. Care should be taken to prevent release to waterways.

EXPOSURE POTENTIAL

- Risk of exposure under normal conditions of use is expected to be low. This substance is used in the following activities or processes at workplace's: transfer of chemicals; closed processes with no likelihood of exposure; closed, continuous processes with occasional controlled exposure; closed batch processing in synthesis or formulation; batch processing in synthesis or formulation with opportunity for exposure; mixing in open batch processes, roller or brushing applications; non-industrial spraying; treatment of articles by dipping and pouring; laboratory work and hand mixing with intimate contact only with personal protective equipment available.
- Release to the environment of this substance could potentially occur from open use as a processing aid. Care must be taken to minimize potential release to the environment including surface water, air emissions, soil, or groundwater.

Product Overview

Kraton SYLVAPINE™ A is manufactured from Crude Sulfate Turpentine (CST). Crude Sulfate Turpentine is a byproduct of the kraft paper making process. The kraft paper process uses pine trees to make pulp and byproduct pine chemicals. SYLVAPINE A is thus a bio-renewable and sustainable product.

Alpha-pinene is used by professional workers at industrial sites, in formulation or re-packing, at industrial sites and in manufacturing. Alpha-pinene is used as an intermediate for making camphor, perfumes, terpeneol, resins and insecticides. Alpha-pinene can also be used in formulations as a cleaner, solvent or a disinfectant.

This material is typically supplied in tank trucks or rail cars.



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RISK MANAGEMENT

- Care should be taken not to handle, store or open containers near an open flame, sources of heat or sources of ignition.
- Take precautionary measures against static discharges.
- All equipment used when handling the product must be bonded and grounded.
- Avoid contact with eyes, skin, and clothing.
- Avoid prolonged exposure.
- Wear appropriate personal protective equipment.
- Wash hands thoroughly after handling.
- Avoid release to the environment, particularly to water.

PRODUCT USE AND DISPOSAL

- Kraton SYLVAPINE A is intended to be used by trained industrial users only. Users are expected to know and follow good industrial practices to protect workers and the environment.
- Kraton encourages recycling of unused and unwanted SYLVAPINE A. If recycling is not possible, product should be responsibly disposed of in a manner compliant with local laws and regulations.

For additional information, refer to the product Safety Data Sheet (SDS)

KRATON™

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