

## Product Safety Summary

### CRDB

#### CHEMICAL IDENTITY

**Synonyms:** Crude Residue Distillate Bottoms

**Trade Name:** SYLVAPINE™ CRDB

#### PHYSICAL/CHEMICAL PROPERTIES

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

#### HEALTH INFORMATION

- The possibility of skin contact or breathing of vapors is minimal with normal use in enclosed processes and with proper personal protective equipment.
- Accidental ingestion of this material may be hazardous if material enters airway.
- Skin contact causes irritation and may result in an allergic reaction.
- Refer to the appropriate Kraton Safety Data Sheet (SDS) for more information.

### Environmental Information

CRDB is classified as very toxic to aquatic life with potential long lasting effects. Prevent release to water.

#### EXPOSURE POTENTIAL

- Because CRDB is used by industrial facilities, exposure to the consumer is minimal.
- For the industrial workforce that may handle this product directly, exposure is controlled by following good industrial hygiene practices including the proper use of personal protective equipment and workplace controls such as adequate ventilation.
- Release of this substance to the environment is unlikely under normal conditions of use.

### Product Overview

Crude sulfate turpentine (CST) is a byproduct of the kraft paper process. When pine trees are digested into pulp to make paper, the volatile chemical byproducts are collected as CST. Kraton's refinery fractionates crude sulfate turpentine into high value-added chemical products including alpha-pinene and beta-pinene. CRDB is a byproduct stream of the Kraton's crude sulfate turpentine refining process. Crude sulfate turpentine and CRDB are therefore bio-renewable and sustainable products.

CRDB is used by professional workers at industrial sites as a feedstock for further refining into various fractions for fragrance use.

CRDB is typically supplied in tank trucks or rail cars.

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### RISK MANAGEMENT

- Handle, store or open containers away from 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 CRDB is intended to be used by trained industrial users only. These users are expected to follow good industrial hygiene practices and environmentally protective measures.
- Kraton encourages recycling of unused and unwanted CRDB. 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)



#### CONTACT INFORMATION

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