Product Stewardship Summary

Trichloroethene (Trichloroethylene)

Chemical Name	Trichloroethene (Trichloroethylene)
Synonyms	Trichloroethylene
CAS Number	79-01-6
EINECS Number	201-167-4
Revision Number	1-2026

Chemical identification and uses

- Trichloroethene, commonly known as trichloroethylene, is a clear, colorless liquid with a characteristic odor.
- It is primarily used in laboratory settings and various industrial applications as a solvent.

Potential exposures

- Exposure to trichloroethylene can occur in industrial/manufacturing facilities and during the handling of the chemical.
- Workers may be exposed primarily through inhalation, skin, and eye contact.
- Adherence to good manufacturing and industrial hygiene practices is essential to prevent or reduce exposure.

Human Health hazards

- Acute toxicity: Harmful if swallowed. Toxic if inhaled.
- Skin and eye irritation: Causes skin irritation and serious eye irritation.
- Reproductive toxicity: Suspected of causing genetic defects. May damage fertility or the unborn child.
- Carcinogenicity: Classified as a known human carcinogen by NTP and Group 1 carcinogenic to humans by IARC.
- Other information: May cause drowsiness or dizziness. Solvent vapors have a narcotic effect if inhaled in high concentrations.

- ACGIH has established Time Weighted Average of 10 ppm. NIOSH Recommended Exposure Limit is 25 ppm.

Environmental Health hazards

- Aquatic toxicity: Expected to exhibit moderate toxicity to aquatic life.
- Biodegradability: Not readily biodegradable.
- Environmental precautions: Proper environmental control measures should be implemented to prevent further leakage or spillage.

For more detailed safety and regulatory information, please refer to the Safety Data Sheet (SDS) or contact Solstice at PSCustomerCare@Solstice.com. Additional information can also be found on PubChem.

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