

This Product Safety Summary document is a high-level summary intended to provide the general public with an overview of product safety information on this chemical substance. It is not intended to provide emergency response, medical or treatment information, or to provide a discussion of all safety and health information. This document is not intended to replace the (Material) Safety Data Sheet. Warnings and handling precautions provided below are not intended to replace or supersede manufacturers' instructions and warning for their consumer products which may contain this chemical substance.

1. Chemical Identity

CAS Number: Naphtha (Petroleum), Light Steam-Cracked

Steam cracked naphtha (SCN) is a mixture of long-chain aromatic hydrocarbons produced by distillation of products from the steam-cracking process.

SCN is predominately:

CAS number: 64742-83-2

Naphtha, petroleum, light steam-cracked

2. Product Uses

SCN is used as an intermediate such as for the production of gasoline and hydrocarbons such as benzene as well as fuel as an fuel additive.

3. Physical / Chemical Properties

SCN is a flammable liquid with a flash point of 4C (40F)

4. Health Information

Steam Cracked Naphtha may be irritating to the eyes, skin and respiratory tract. May cause headaches and dizziness, and may have other central nervous system effects. If swallowed, may be aspirated and cause lung damage.

5. Additional Hazard Information

Steam Cracked Naphtha contains n-hexane and benzene. N-hexane may cause effects on the peripheral nerves, resulting in weakness or numbness of lower limbs. Exposure to benzene is associated with cancer (acute myeloid leukemia and myelodysplastic syndrome), damage to the blood-producing system, and serious blood disorders. Very high exposure (confined spaces / abuse) to light hydrocarbons may result in abnormal heart rhythm (arrhythmias).

6. Food Contact Regulated Uses

This product is not claimed as compliant for food contact uses.

7. Environmental Information

In the environment, this product will be toxic to aquatic organisms (e.g., to fish, invertebrates, algae), and may cause long-term adverse effects in the aquatic environment. The majority of the hydrocarbon components are expected to be rapidly biodegraded. Metabolism is expected to minimize any potential for constituent bioaccumulation in aquatic and terrestrial organisms. Due to high volatility, residual concentrations in environmental media may be short lived, and chronic toxicity is not expected. The constituents of this product are expected to degrade at a moderate to rapid rate in air through oxidation processes. Measures should be taken to prevent its release to the atmosphere and minimize any exposure to the environment from manufacturing or use activities.

8. Exposure Potential

- **Workplace exposure** – This refers to potential exposure in a manufacturing facility or through evaporation in various industrial applications. Generally, exposure of personnel in manufacturing facilities is relatively low because the process, storage and handling operations are enclosed.
- **Consumer exposure** – The general population would not be exposed to Steam Cracked Naphtha
- **Environmental releases** – As a chemical manufacturer, we are committed to operating in an environmentally responsible manner everywhere we do business. Our efforts are guided by in-depth scientific understanding of the environmental impact of our operations, as well as by the social and economic needs of the communities in which we operate. Industrial spills or releases are rare; however a spill may pose a flammability issue. Our operational improvement targets and plans are based on driving incidents with real environmental impact to zero and delivering superior environmental performance.

9. Manufacture of Product

- **Process** – SCN is made in a chemical plant steam cracker.

10. Risk Management

- **Workplace Risk Management** – When using this product, make sure that there is adequate ventilation. Always use chemical resistant gloves to protect your hands and skin and always wear eye protection such as chemical goggles. Do not eat, drink, or smoke where chemicals are handled, processed, or stored. Wash hands and skin following contact. If this product gets into your eyes, flush eyes thoroughly with tap water. If irritation occurs, get medical assistance. Please refer to the (Material) Safety Data Sheet.
- **Consumer Risk Management** - This chemical is not sold by ExxonMobil directly to the public for general consumer uses.

11. Regulatory Information

Regulations may exist that govern the manufacture, sale, transportation, use and/or disposal of this product and may vary by city, state, country or geographic region. Additional helpful information may be found by consulting the relevant ExxonMobil Safety Data Sheet at:

- <http://www.msds.exxonmobil.com>

Product Safety Summary

Steam Cracked Naphtha



12. Conclusion Statements

Steam Cracked Naphtha is :

- is a widely used chemical intermediate in industrial reactions.
- is not sold by ExxonMobil directly to consumer uses

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