

Product Safety Summary

Aromatic 150 Fluid

ExxonMobil
Chemical

(Solvesso™ 150 Fluid)

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 No.

64742-94-5

Chemical Name:

Solvent Naphtha (Petroleum), Heavy Aromatic

Abbreviation:

A150, S150

Other Names:

- High Flash Aromatic Naphtha, Type II
- Heavy Aromatic Solvent Naphtha
- Hydrocarbons, C10 aromatics, >1% naphthalene

2. Product Uses

Aromatic 150 is a liquid solvent used in many industrial applications such as fuel additives, paints and coatings, pesticide formulations, industrial cleaning, and process fluids.

3. Physical / Chemical Properties

Aromatic 150 is a combustible material in both the liquid and vapor forms, has a relatively high vapor pressure, and should be handled only with adequate ventilation and in areas without any ignition source present (e.g. no open flames, static electricity sources, or unprotected light switches). It is composed primarily of C10-12 alkyl benzenes.

The flash point for Aromatic 150 is approximately 151°F /66°C.

4. Health Information

Aromatic 150 Fluid is generally recognized to have low acute and chronic toxicity if ingested and/or breathed. Vapor concentrations above the exposure limit of 19 parts per million (ppm) in the air can cause eye and lung irritation and may cause headaches, dizziness, drowsiness or CNS depression. Prolonged or repeated skin contact in an occupational setting may result in irritation and in these situations, the use of chemical resistant gloves is recommended. This product is not regarded as a mutagen or carcinogen, and there is low concern reproductive or developmental effects.

5. Additional Hazard Information

If accidentally swallowed, small amounts of liquid may be aspirated into the lungs during ingestion or from vomiting, this may cause severe lung inflammation and lung edema (an accumulation of fluid in the lungs). This is a medical emergency which must be immediately and properly treated.

Aromatic 150 may contain naphthalene (~5-10 wt %). Naphthalene has caused cancer in laboratory animal studies, but the relevance of the findings to humans is uncertain. Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anemia, and cataracts.

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6. Food Contact Regulated Uses

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

7. Environmental Information

Aromatic 150, if accidentally spilled in the environment, is potentially a threat to the environment due to its moderate toxicity to aquatic organisms (e.g. fish and invertebrates). Aromatic 150 biodegrades at a rapid rate and will not persist in the environment. Because of its low solubility in water and volatility (tendency to move from water to air) chronic aquatic toxicity is not expected, however a significant spill may cause long-term adverse effects in the aquatic environment. Aromatic 150 is a volatile organic compound (VOC) and is rapidly degraded in air, water, and soil. Considerable measures are taken to prevent its release to the atmosphere and minimize any exposure to the environment from manufacturing and 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 workers in manufacturing facilities is relatively low because the process, storage and handling operations are enclosed. The ExxonMobil recommended occupational exposure limit value is 17 parts per million (ppm) per 8-hour work day.
- **Consumer use of products containing Aromatic 150** – Exposure could occur through the use of paints or coatings that contain this product. The best way to prevent exposure to vapors is to work in well-ventilated areas, wear chemical resistant gloves, and follow good personal hygiene practices.
- **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 significant 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

- **Capacity** – Based on publicly available information in 2005, global production for Heavy Aromatic Naphtha-type products such as Aromatic 150 exceeded 450 thousand metric tons (1 billion pounds).
- **Process** – Aromatic 150 is produced from distillation of aromatic streams derived from crude oil. Processes and equipment for manufacture, transfer and storage are continuous and enclosed.

10. Risk Management

- **Workplace Risk Management** – When using this substance or products which contain this substance, make sure that there is adequate ventilation. Always use appropriate 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 this substance is handled, processed, or stored. Wash hands and skin following contact. If this substance gets into your eyes, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention. Please refer to the (Material) Safety Data Sheet.
- **Consumer Risk Management** - This chemical is not sold directly to the public for general consumer uses. If exposure should occur, it is expected to be infrequent and of short duration. Always follow

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manufacturers' instructions, warnings and handling precautions when using their products. The best way to minimize exposure to vapors is to work in well-ventilated areas.

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 (Material) Safety Data Sheet at:

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

13. Conclusion Statement

Aromatic 150 . . .

- is a widely used industrial, paint, and agricultural solvent.
- is low in toxicity; however, it may cause lung damage if swallowed.
- does not cause adverse health or environmental effects at levels typically found in the workplace or environment.
- is combustible with a high vapor pressure; use only with good ventilation; avoid all ignition sources.

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