Product Safety Summary

EXX-PRINT™ 274 A

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

Exx-Print 274 A is characterized as a refinery stream obtained from the distillation of crude oil, followed by the removal of sulfur (a process called *hydrodesulfurization*).

CAS No.	**Chemical Name**:
64742-81-0	Kerosine (Petroleum), Hydrodesulfurized

2. Product Uses

Exx-Print hydrocarbon fluids in printing ink formulations help printers achieve fast cycle times and quality reproduction. Used to formulate inks for offset printing processes including heat set (web feed) and quick set (sheet feed).

3. Physical / Chemical Properties

The material is classified as a static accumulator and as an aspiration hazard. Although the material has a relatively low vapor pressure, it should be handled only with adequate ventilation. The flash point for Exx-Print 274 A is approximately 241ºF /116ºC.

4. Health Information

Exx-Print 274 A is generally recognized to have low acute toxicity if ingested, inhaled or after skin contact. This material is expected to present a low risk for chronic toxicity. Concentrations above the occupation exposure limit of 36 ppm in the air can cause eye, nose, throat, and lung irritation in humans. Symptoms of Exx-Print 274 A over exposure may include flushing, headache, dizziness, central nervous system (CNS) depression, nausea, vomiting, anesthesia, and coma. If this occurs, seek immediate medical attention. Repeated dermal exposure may cause skin dryness and cracking. This product is not regarded as a mutagen, a carcinogen, or a concern for chronic reproductive or developmental effects. High vapor concentrations may cause drowsiness and dizziness and may cause CNS depression, but Exx-Print 274 A is not expected to have any neurotoxic effects beyond acute CNS depression.

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. Do not induce vomiting.

6. U.S. Food and Drug Administration (FDA) Regulated Uses

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

7. Environmental Information

Exx-Print 274 A, 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). It is expected to biodegrade 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. Exx-Print 274 A rapidly degrades 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

Based on the uses for Exx-Print 274 A, the public could be exposed through:

- **Workplace exposure** – This refers to potential exposure to Exx-Print 274 A in a manufacturing facility or through evaporation in various industrial applications. Generally, exposure to Exx-Print 274 A of personnel in manufacturing facilities is relatively low because the process, storage and handling operations are enclosed. The ExxonMobil recommended occupational exposure limit (OEL) value is approximately 36 parts per million (ppm) per an 8-hour work day.
- **Consumer use of products containing Exx-Print 274 A** – If exposure should occur, it is likely to be infrequent and of short duration depending on the products used and the conditions under which they are used. 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

- **Process** – Exx-Print 274 A is produced from straight-run naphtha and straight-run kerosene, which are refinery streams obtained from the distillation of crude oil, followed by the removal of sulfur (a process called *hydrodesulfurization*). Processes and equipment for manufacture, transfer and storage are continuous and enclosed.

10. Risk Management

Exx-Print 274A

- **Workplace Risk Management** – When using this substance, 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 this chemical is handled, processed, or stored. Wash hands and skin following contact. If this chemical gets into your eyes, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention. Please refer to the Safety Data Sheet.
- **Consumer Risk Management** - This substance 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 manufacturers' instructions, warnings and handling precautions when using their products. The best way to prevent 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 http://www.msds.exxonmobil.com/

12. Conclusion Statement

Exx-Print 274 A

- 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.
- has a low vapor pressure; use only with good ventilation.