

Product Safety Summary

Vammar™ D10

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.

98072-31-2

Chemical Name:

Alkenes, C6-11(branched), hydroformylation products, distn. residues,
heavy cracked fraction 701-314-7

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2. Product Uses

Vammar™ D10 is used in industrial applications such as mining, water treatment, and coatings.

3. Physical / Chemical Properties

Vammar D10 is a yellow colored liquid. The flash point is > 257°F (>125°C).

4. Health Information

Vammar™ D10 is considered minimally toxic for all routes of exposure (inhalation, ingestion, skin). The substance can cause negligible irritation to the skin at normal temperatures. Elevated temperatures or mechanical action has the potential to form vapors, which may be irritating to the eyes, nose, throat, or lungs. Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system 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.

6. Food Contact Regulated Uses

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

7. Environmental Information

Vammar D10 is inherently biodegradable; in an enhanced test, the substance reached 62% degradation in 28 days and therefore will not persist in the environment. Vammar D10 does not pose acute or chronic toxicity risk to aquatic organisms as indicated by both aqueous and dietary exposure studies. An experimental evaluation of Vammar D10 indicates that it may meet Bioaccumulative (B) or very Bioaccumulative (vB) criteria based on the results of a fish dietary bioaccumulation study that yielded a lipid normalized BMF of slightly above unity.

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 use of products containing Vammar D10 – The general population is not expected to be directly exposed due to its use as an industrial chemical.

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.

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9. Manufacture of Product

Process – The substance is the high boiling fraction formed during the production of isodecyl alcohol, by hydroformylation of a branched C9 olefin.

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 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 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 Safety Data Sheet at:

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

12. Conclusion Statements

Vammar D10 is:

- is low in toxicity; however it may cause lung damage if swallowed.
- does not pose acute or chronic toxicity risk to aquatic organisms
- should be used only with good ventilation; avoid all ignition sources.

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