

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

Exxal 10 Alcohol is characterized as a primary alcohol, and is a mixture of isomers of different branched structures with both odd and even numbered carbon chains ranging from C9 to C11, predominantly C10.

CAS No.

68526-85-2

Chemical Name:

Alcohols, C9-11-iso-,C10-rich

Other Names:

Isodecyl alcohol

2. Product Uses

Exxal 10 Alcohol is a liquid used as an intermediate for making a variety of other chemicals which are used in many applications. It is primarily used in processes of chemical reactions (e.g., ethoxylation, sulfation and esterification). Simply put, Exxal Alcohols are reacted with other chemicals to form new chemicals which are then used, for example, as plasticizers, surfactants ~~detergents~~, lubricants or stabilizers. In pure form, Exxal 10 Alcohol may also be used as a co-solvent for extraction in mining and as solubilizer for lube oil additives.

3. Physical / Chemical Properties

Exxal 10 Alcohol is neither a flammable nor a combustible substance, however, it can accumulate a static charge and it will burn when ignited. Although it has a relatively low vapor pressure, it should be handled only with adequate ventilation and in areas where ignition sources have been removed (e.g. open flames, static electricity sources, unprotected light switches). The flash point for this product is >90°C (194°F).

4. Health Information

Exxal 10 Alcohol has been studied extensively and is generally recognized to have low acute toxicity if ingested and/or inhaled. Based on analysis of structurally similar alcohols, this material is expected to present a low risk for chronic toxicity. Vapor or aerosol concentrations above the short term exposure limit of 200 mg/m³ in the air can cause eye and lung irritation in humans. Prolonged or repeated skin contact may result in irritation and in these situations, the use of chemical resistant gloves is recommended. It is not regarded as a mutagen, a carcinogen, or a concern for reproductive, developmental, or nervous system toxic 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

Exxal 10 Alcohol biodegrades at a rapid rate and will not persist in the environment. This material may cause short-term toxicity to fish or other aquatic organisms because of its moderate solubility in water and low volatility (tendency to move from water to air). Long-term effects (chronic aquatic toxicity) are not expected because the rapid biodegradation will result in a low potential for chronic exposure to aquatic organisms (following, for example, an accidental spill).

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. The ExxonMobil recommended occupational exposure limit (OEL) is 200 mg/m³ as a 15 min short term exposure limit (STEL) concentration.

Consumer use of products containing Exxal 10 Alcohol – If exposure should occur it is likely to be infrequent and of short duration. Exposure could occur through the use of detergent, lubricant or adhesive formulations that contain this product 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 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 – Exxal 10 Alcohol is a distilled, high-purity, clear liquid consisting of primary aliphatic alcohols produced from selected olefins via hydroformylation.

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 (Material) Safety Data Sheet at:

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

12. Conclusion Statements

Exxal 10 Alcohol ...

is a widely used chemical intermediate in industrial reactions.

is low in toxicity, however if swallowed, it may be aspirated and cause lung damage.

does not cause adverse health or environmental effects at levels typically found in the workplace or environment.

should only be used with good ventilation; avoiding all ignition sources.

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