

Product Safety Summary



EXXAL 9 ALCOHOL

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 9 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 C8 to C10, predominantly C9.

CAS No.: 68526-84-1 **Chemical Name:** Alcohols, C8-10-Iso, C9 rich
Other Names: Isononyl Alcohol, Isononanol

2. Product Uses

Exxal 9 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 chemical reaction processes as esterification. Simply put, Exxal Alcohols are reacted with other chemicals to form new chemicals as plasticizers, stabilizers, and lubricants. It is not sold directly to the public for general consumer uses; however this product may be an ingredient in consumer and commercial applications such as flooring, wire & cables, synthetic leather and lubes.

3. Physical / Chemical Properties

Exxal 9 Alcohol is a combustible substance 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). The flash point for this product is approximately 194°F / 90°C.

4. Health Information

Exxal 9 Alcohol is generally recognized to have low acute and chronic toxicity. Vapor or aerosol concentrations above the short term exposure limit of 200 mg/m³ in the air can cause eye, skin or lung irritation and may cause headaches, dizziness or drowsiness. 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 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 which 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. Food Contact Regulated Uses

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

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7. Environmental Information

Exxal 9 Alcohol is classified as Acute 2, Chronic 3 under GHS. Exxal 9 alcohol biodegrades at a rapid rate and will not persist in the environment. Exxal 9 Alcohol has been shown to have moderate acute aquatic toxicity and a low potential to bioaccumulate. Although the water solubility of this product is relatively high, rapid biodegradation will result in a low potential for chronic exposure of aquatic organisms. However, given a substantial release into the environment there is the potential for moderate chronic toxicity. Exxal 9 Alcohol is a volatile organic compound (VOC) and is rapidly degraded in air. 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 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 9 Alcohol – This chemical is not sold directly to the public for general consumer uses. As a result of its use in industrial chemical reactions, consumer exposure is highly unlikely. If exposure should occur, it is expected to be infrequent and of short duration.

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 –

Exxal 9 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, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention. 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. As a result of its use in industrial chemical reactions, consumer exposure is highly unlikely. 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.

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11. Regulatory Information

Regulations may exist that govern the manufacture, sale, transportation, use and/or disposal of this chemical 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 9 Alcohol ...

is a widely used chemical intermediate in industrial reactions.

is low in toxicity from a human health perspective.

can be moderately toxic to aquatic organisms, but rapidly biodegrades in the environment.

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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