

Naphthenic-Based Black Oil

This document provides a brief description of Naphthenic-Based Black Oil, its uses, and the potential hazards associated with short and long term exposure. Environmental impact information for accidental releases is included. This information is general in nature and is not intended as a replacement for the material safety data sheet (SDS), product label and other safe handling literature. For additional information consult the LANXESS Corporation safety data sheet.

Identification

Product Name:	Naphthenic-Based Black Oil
Chemical Name:	Distillates (petroleum), hydrotreated heavy naphthenic
Synonym(s):	Hydrotreated heavy naphthenic distillate
CAS Number:	64742-52-5

Description

Overview:	Naphthenic-Based Black Oil is a viscous, dark brown to black liquid at ambient temperatures. The chemical has a mild petroleum odor.	
Uses:	Naphthenic-Based Black Oil is used by LANXESS as an ingredient (plasticizer) or processing aid in the production of synthetic rubber products. The chemical is also used as an ingredient in a variety of other industrial products.	
Properties:	Melting Point:	-10°C (14°F)
	Boiling Point:	343.33°C (650°F)
	Flash Point:	260°C (500°F) open cup
	Auto-Ignition:	> 315.56°C (600°F)
	Solubility in Water:	Low

Potential Human Health Effects

Occupational Exposure

Potential for occupational exposure exists during manufacture, at unloading, storage and staging areas and during maintenance and quality control operations at facilities where Naphthenic-Based Black Oil is used in the manufacture of other products. A much lower potential for exposure exists in facilities using Naphthenic-Based Black Oil in closed manufacturing processes by trained personnel.

Employee Training

Workers handling Naphthenic-Based Black Oil should be trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. Process enclosures, local exhaust ventilation or other engineering controls should be used to maintain airborne concentration levels below recommended exposure limits. An appropriate respirator should be used where ventilation is insufficient or airborne concentrations are unknown. In addition, LANXESS recommends splash goggles or face shield, chemical/oil resistant gloves and clothing and suitable protective footwear be worn when handling Naphthenic-Based Black Oil. Heat-resistant gloves should be worn when handling heated materials. If contact with forearms is likely wear gauntlet style gloves.

Consumer Exposure

LANXESS Corporation does not sell Naphthenic-Based Black Oil to the general public.

Short-Term Health Effects

Eye contact may be irritating. Skin contact may cause defatting of the skin with symptoms of dryness or cracking. Contact with heated Naphthenic-Based Black Oil may cause thermal burns. Ingestion may cause gastrointestinal discomfort. May be harmful if inhaled.

Long-Term Health Effects

Prolonged or repeated contact may cause dermatitis.

Physical Hazards

Naphthenic-Based Black Oil is stable under normal conditions of use. Avoid contact with strong oxidizing agents. Heating to decomposition may release carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Naphthenic-Based Black Oil is flammable. Avoid heat, open flames and other potential sources of ignition.

Potential Environmental Impact

Naphthenic-Based Black Oil is not inherently biodegradable. An accidental release of this product to the environment is not expected to be harmful to aquatic organisms.

Conclusion

Under normal conditions of anticipated use as described in this Product Safety Assessment, and if the recommended safe use and handling procedures are followed, Naphthenic-Based Black Oil is not expected to pose a significant risk to human health or the environment.

References

MedlinePlus Medical Encyclopedia, U.S. National Library of Medicine and the National Institutes of Health

Contact Information

LANXESS Corporation, Product Safety & Regulatory Affairs, 111 RIDC Park West Drive, Pittsburgh, PA 15275-1112, USA, Phone 1-800-526-9377 [1-800-LANXESS]

Notices

Use and Application Information

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.