2,4,4-Trimethylpentene, sulfurized

This document provides a brief description of 2,4,4-trimethylpentene, sulfurized, 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 safety data sheet (SDS), product label and other safe handling literature. For additional information consult the LANXESS safety data sheet.

Identification

Product Name:	Additin RC 2540
Chemical Name:	2,4,4-Trimethylpentene, sulfurized
Synonym(s):	Diisobutylene, sulfurized 2,4,4- trimethylPentene, -,sulfurized
CAS Number:	Trimethyl pentene derivative 68515-88-8

Description

Overview:	2,4,4-Trimethylpentene, sulfurized is a viscous yellow liquid at ambient temperatures. The chemical has a characteristic odor.	
Uses:	2,4,4-Trimethylpentene, sulfurized is sold by LANXESS for use as an additive in the manufacture of engine oils, industrial lubricants, metalworking fluids and greases.	
Properties:	**Flash Point:**	302°F (150°C)
	Solubility in Water:	Insoluble

Potential Human Health Effects

Occupational Exposure

Potential for exposure exists during manufacture, during transfers to storage or staging areas and during the use of industrial lubricants, metalworking fluids and other products manufactured using the chemical as an additive. A much lower potential for exposure exists in facilities using the chemical in closed manufacturing processes by trained personnel.

Employee Training

Workers handling 2,4,4-trimethylpentene, sulfurized should be trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. LANXESS recommends that goggles, permeation resistant clothing, gloves and foot protection be worn when handling 2,4,4-trimethylpentene, sulfurized.

Consumer Exposure

LANXESS does not sell 2,4,4-trimethylpentene, sulfurized to the general public.

Short-Term Health Effects

No adverse health effects are expected from short-term use of 2,4,4-trimethylpentene, sulfurized. The chemical may irritate an existing dermatitis, eye condition, respiratory disorder or other allergic reactions due to mechanical irritation.

Long-Term Health Effects

No long-term adverse health effects are expected.

Physical Hazards

2,4,4-Trimethylpentene, sulfurized is stable under normal conditions of use. Avoid contact with strong oxidizing agents, acids, and bases. Heating to decomposition may release hydrogen sulfide, sulfur dioxide, carbon monoxide, carbon dioxide or other potentially toxic gases. Avoid heat, open flames and other potential sources of ignition.

Potential Environmental Impact

2,4,4-Trimethylpentene, sulfurized is not readily biodegradable and may adsorb to soils or sediments in the event of a spill. An accidental release to water may pose a danger to fish (low toxicity), invertebrates (low toxicity) and other aquatic organisms (low toxicity) prior to degradation.

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, 2,4,4-trimethylpentene, sulfurized is not expected to pose a significant risk to human health or the environment.

References

High Production Volume (HPV) Challenge Program: Final Submission for HPV Group 1 - Alkyl Sulfides, American Chemistry Council (ACC), Petroleum Additives Panel, Health, Environment and Regulatory Task Group

Safety Data Sheet (SDS), ADDITIN RC 2540, Lanxess

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