Maleic Anhydride Grafted – Ethylene Propylene Rubbers

This document provides a brief description of Maleic Anhydride Grafted Ethylene Propylene Rubbers, as represented by KELTAN® 1519R, 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 Corporation safety data sheet.

Identification

Chemical Name: Maleic Anhydride Grafted Ethylene Propylene Rubbers
Synonym(s): EPM MAH grafted

Description

Overview: Maleic Anhydride Grafted Ethylene Propylene Rubbers are sold under the trade name, KELTAN®. Maleic Anhydride Grafted Ethylene Propylene Rubber is an amber solid at ambient temperatures. The product has a slight, characteristic odor and is sold in bales.

Uses: Maleic Anhydride Grafted Ethylene Propylene Rubber is an elastomeric copolymer (synthetic rubber) sold by LANXESS for use as an additive (viscosity modifier) in petroleum-based lubricants and plastics.

Properties:
- Solubility in Water: Insoluble in cold water
- Auto-ignition: >300°C (>572°F)
Potential Human Health Effects

Occupational Exposure
Potential for occupational exposure exists during manufacture, at unloading, storage and staging areas and during processing operations at facilities where Maleic Anhydride Grafted Ethylene Propylene Rubber is used as an additive in the manufacture of other products. A much lower potential for exposure exists in facilities using the product in closed manufacturing processes by trained personnel.

Employee Training
Workers handling Maleic Anhydride Grafted Ethylene Propylene Rubber should be trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. LANXESS recommends permeation resistant gloves be worn when handling Maleic Anhydride Grafted Ethylene Propylene Rubber. Safety glasses with side shields should be worn if eye contact is possible. Selection and use of a respirator must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

Consumer Exposure
LANXESS Corporation does not sell Maleic Anhydride Grafted Ethylene Propylene Rubber to the general public.

Short-Term Health Effects
Skin contact with Maleic Anhydride Grafted Ethylene Propylene Rubber may cause an allergic skin reaction.

Long-Term Health Effects
Once sensitized, an allergic skin reaction may occur when subsequently exposed to very low levels of this product. Symptoms of exposure may include redness, swelling and rash.

Physical Hazards
Maleic Anhydride Grafted Ethylene Propylene Rubber is stable under normal conditions of use. Avoid contact with oxidizing agents. Heating to decomposition may release carbon monoxide, carbon dioxide and other potentially toxic fumes and gases. Avoid heat, open flames and other potential sources of ignition.

Potential Environmental Impact
No significant effects or critical hazards would be expected from an accidental release of this product to the environment.
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, Maleic Anhydride Grafted Ethylene Propylene Rubber is not expected to pose a significant risk to human health or the environment.

References

*KELTAN® EP(D)M at a glance: Grades, Characteristics, Packaging*, LANXESS Corporation

*Safety Data Sheet (SDS), KELTAN® 1519R*, LANXESS Corporation

Contact Information

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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.