

ADVALUBE™ AF-4074L

Antifogging Agent for PVC

Description

ADVALUBE AF-4074L is an antifogging agent especially designed to meet the antifogging requirements of PVC food wrap films.

General Characteristics

Properties	Typical Values
Appearance	Pale Yellow Liquid
Acid Value	3 (max.)

Applications and Features

In food-packaging films, ADVALUBE AF-4074L enhances the visual attractiveness of the package.

The antifog agents contained in ADVALUBE AF-4074L may be considered as surfactants designed to have partial incompatibility with extruded film.

Following incorporation into the film, they gradually migrate to the film surface. The hydrophilic “tail” of the molecule will disperse the condensed water vapor by lowering surface tension and promoting a spreading effect.

The lipophilic portion of the molecule should be “anchored” in the plasticizer-resin matrix.

Effectively, ADVALUBE AF-4074L greatly accelerates transition of condensed water droplets to a continuous phase and the resulting transparency of the coalesced water removes the undesirable optical barrier caused by discreet water droplets having high light scattering capability.

Typical Dosage

Dosage levels between 3 and 5 phr are recommended. ADVALUBE AF-4074L is particularly suitable for PVC formulations containing polymeric plasticizers.

Standard Packaging

441 lb (200kg) net drums.

Safety and Handling

This product is not considered as hazardous in normal industrial use.

No special precautions are needed. Follow good manufacturing and handling practices.

Store in cool, dry, well ventilated area.

In US

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The information contained herein is correct to the best of our knowledge. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to PMC Organometallix Inc.'s standard terms and conditions of sale, copies of which are available upon request and which are part of PMC Organometallix Inc.'s invoices and/or order acknowledgements. Except as expressly provided in PMC Organometallix Inc.'s standard terms and conditions of sale, no warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose, is made with respect to the products described herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

Environmental and Safety Information

BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON PERSONAL PROTECTIVE EQUIPMENT AND FOR SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION. For Environmental, Safety & Toxicology information, contact our Customer Service Department at 1-855-638-2549 (1-855-METALIX) to request a Material Safety Data Sheet.

More Technical Information Available

Ask your PMC Organometallix account manager for further information about other high quality PMC Organometallix's additives for use in PVC resins, PVC alloys and other polymer systems. PMC Organometallix produces a full line of heat stabilizers. In addition, PMC Organometallix's Technical Service staff is available to assist compounders and processors to solve formulation and processing problems.

Thermolite® and ADVASTAB™ Heat Stabilizers

Thermolite® and ADVASTAB™ heat stabilizers are designed for use in the production of rigid, semi-rigid, foamed and flexible PVC products. PMC Organometallix has developed PVC heat stabilizers specifically for extruded siding, profiles and pipe, injection molding, blow molded bottles and calendered or extruded sheet. PMC Organometallix offers a full line of stabilizers that meet FDA requirements for food grade PVC packaging and a full line of NSF authorized stabilizers for PVC potable water pipe & fittings.

ADVAPAK™, ADVALUBE™ and ADVAWAX™ for Rigid PVC Lubrication

Organometallix offers a wide range of performance lubricants for PVC processing. ADVALUBE™ and ADVAWAX™ include every lubricant class from esters to amides to paraffin waxes. ADVAPAK™ lubricants are custom formulations to meet specific customer requirements. ADVALUBE™, ADVAWAX™ and ADVAPAK™ products find uses in PVC pipe, siding, window profiles, film and sheet, molding, fencing, decking and trim applications.

Biogenix Lubricants

PMC Biogenix's lubricants include Calcium, Zinc, Lithium, and Magnesium stearates that meet FDA requirements for food grade PVC packaging as well as NSF requirements for PVC potable water pipes & fittings. Our PVC lubricants such as Industrene®, Hystrene®, Kemester®, Kemamide® and heat stabilizers together offer a comprehensive PVC package for production of rigid, semi-rigid, foamed, and flexible PVC applications such as extrusion molding, injection molding, blow molding, calendering, siding, profiling, piping etc.

CrystalWax for Rigid PVC Lubrication

Crystal manufactures a broad range of standard blends utilizing paraffin and polyethylene waxes along with the option of blending EBS, GMS and other lubricating esters produced by PMC Biogenix. CrystalWax lubricants are also available in custom formulations to meet specific customer requirements. CrystalWax formulations find uses in PVC siding, window profiles, fencing, decking and trim applications to highlight a few.



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