

Lubrazinc® W

Description

Lubrazinc® W is the zinc salt of distilled, hydrogenated fatty acids.

Applications

Lubrazinc® W is commonly used as a powdered metal lubricant. Fused zinc stearates are also used as neutralizers and lubricants in polyethylene and other polymers, and as dust-on antiblocks for sticky rubbers or plastics.

Product Specifications

Properties	Specifications
Assay as Zinc Oxide	12.50 – 14.50
Fineness, % Thru 325 Mesh	99.0 (Min)
Free Fatty Acids (As Stearic)	0.00 – 1.00
Water %	0.00 – 1.00

Available Form(s)

Powder

Packaging

Bag – 50lbs (22.68kgs)

Solubility

Zinc Stearates are:

- Insoluble in water, methanol, ethanol, esters or ketones
- Soluble (hot) in turpentine, benzene, toluene, xylenes, carbon tetrachloride, vegetable oils, mineral oils, and waxes
- Complexation with appropriate amines improves low temperature solubility

FDA Status

Lubrazinc® W is sanctioned by the U.S. Food and Drug Administration (FDA) under Title 21 of the Code of Federal Regulations (21 CFR). These use clearances are indicated in the following sections:

Applications	21CFR	Limits
In adhesives	175.105	None
Resinous and polymeric coatings	175.300(b)(3)(xxii)	None
Xylene-formaldehyde resins condensed with 4,4'-isopropylidenepheno-epichlorohydrin epoxy resins	175.380	
Zinc-silicone dioxide matrix coatings	175.390	
As a component of paper and paperboard brought in contact with aqueous and fatty foods	176.170	None
As a component of paper and paperboard brought in contact with dry foods	176.180	None
In closures with sealing gaskets for food containers	177.1210	
Melamine-formaldehyde resins in molded articles	177.1460	For use as lubricant
Urea-formaldehyde resins in molded articles	177.1900	For use as lubricant
Phenolic resins in molded articles	177.2410	For use as lubricant
Rubber articles intended for repeated use Activators	177.2600 (c)(4)(ii)(d)	Total not to exceed 5 percent by weight of rubber product

PMC Biogenix, Inc.
1231 Pope Street
Memphis, TN 38108

Customer Service
800.641.2152 or 901.325.4930
Fax 800.641.2153

FDA Status (continued)

Applications	21CFR	Limits
Antioxidants and/or stabilizers for polymers	178.2010	None
Surface lubricants used in the manufacture of metallic articles	178.3910	None

This FDA status information is intended to provide an overview only and is not intended to be an alternative to reading the FDA regulations. The above CFR sections should always be consulted for the complete context before any conclusion is made as to the allowed regulated use.

Safety and Handling

Lubrazinc® W is not regulated by the Department of Transportation (DOT). It is not corrosive and not flammable by DOT definitions. However, this product is available in powder form and – like all powders – should be handled in such manner as to minimize dusting. Otherwise, an explosive hazard could develop. Avoid all sources of ignition when handling this product. Avoid dispersion of dust to reduce fire and explosion potential.

Although metallic stearates are chemically stable, they should be kept away from strong oxidizing agents. They should not remain at temperatures greater than 75 – 85 °C (167 – 185 °F) for extended periods of time.

The Safety and Handling information listed above is intended to provide an overview only and is not intended to be an alternative to reading the MSDS for the product listed.

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product. Contact PMC Biogenix, Inc. for copies of the MSDS for this product.



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www.pmc-group.com

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 Biogenix, Inc.'s standard terms and conditions of sale, copies of which are available upon request and which are part of PMC Biogenix, Inc.'s invoices and/or order acknowledgements. Except as expressly provided in PMC Biogenix, 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.

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