



www.ghlinc.com

Distribué par / Distributed by :

Groupe Horticole Ledoux inc.

785, rue Paul Lussier, Ste-Hélène de Bagot

Québec, Canada, J0H 1M0

Tel. : 1 (888) 791.2223

Valsterane® FG

Technical Information

Valsterane® FG is a high purity hydrogen peroxide grade that is designed for food processing applications. This product meets the high purity requirements listed in the Food Chemical Codex.

March 2015

Specifications	34.5%	35%	50%
H ₂ O ₂ , % by weight	34.5-35.5	35.0-36.0	50.0-50.7
Color, APHA	≤10	≤10	≤10
pH, Apparent, @ 23C	2.4-3.8	2.4-3.8	1.5-2.0
Appearance	Clear	Clear	Clear
Properties	34.5%	35%	50%
Active Oxygen, %	16.3	16.4	23.5
Specific Gravity @ 20C			
lb / gallon	9.44	9.45	9.98
g / mL	1.129	1.132	1.195
Boiling Point @ 760mm Hg, °C	108	108	114
Freezing Point, °C	-32	-32	-51
Vapor Pressure @ 30C, mm Hg	23	23	18
Appearance	Clear with a slightly pungent odor		

Packaging

	34.5%	35%	50%
Polyethylene drums, 500 lbs	√	√	√
Polyethylene totes, 3100 lbs	√	√	√
Bulk shipments in Arkema tank trucks	√	√	√
Bulk shipments in Arkema rail cars	√	√	√

**bulk shipments in Arkema tank trucks (delivered and offloaded by specially trained drivers), and Arkema rail cars.

CAS No: 7722-84-1

Valsterane® FG meets the specifications for hydrogen peroxide as required by the "Food Chemicals Codex" (FCC), 5th Edition. FCC requirements are as follows:

Assay	Within range stated
Lead, as Pb	≤ 4 ppm
Residue on Evaporation	≤ 60 ppm
Phosphate	≤ 50 ppm
Acidity, as H ₂ SO ₄	< 0.03%
Iron	< 0.5 ppm
Tin	< 10 ppm

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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein and beyond our control, Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein related only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be taken as inducement to infringe any patent and the user is advised to take appropriate steps to be assured that any use of the product will not result in patent infringement.

NSF Certified

NOTE: All products are produced in facilities that are NSF Certified, whether they bear the NSF Mark or not

Hydrogen Peroxide [HP]

Trade Designation

Valsterane® 34.5 FG[1]

Valsterane® 35 FG[1]

Valsterane® 50 FG[2]

Product Function

Oxidant

Oxidant

Oxidant

Max Use

3mg/L

3 mg/L

2.1 mg/L

[1] This product may be used for the treatment of sulfide and organic contaminants with or without ozone or ultra-violet (UV) light, at a maximum use level of 85 mg/L. Treatment must be followed by chlorination to a chlorine residual not to exceed 4 mg/L, the EPA's proposed maximum residual level.

[2] This product may be used for the treatment of sulfide and organic contaminants, with or without ozone or ultra-violet (UV) light, at a maximum use level of 60 mg/L. Treatment must be followed by chlorination to a chlorine residual not to exceed 4 mg/L, the EPA's proposed maximum residual level.

[HP] Use of this product shall be followed by chlorination to remove levels of hydrogen peroxide. Chlorine residuals shall not exceed 4 mg/L, the EPA's proposed maximum residual level.

NOTE: All Listed products from this facility are NSF Certified, whether or not they bear the NSF Mark.

ARKEMA HYDROGEN PEROXIDE AVAILABILITY AND APPLICATIONS

	Pulp and Paper	Mining	Water Treatment	Chemical Process	Personal Care	Cleaning	Food	Aseptic Packaging	Electronics
Albone 70MS	✓	✓	✓	✓					
Albone 50MS	✓	✓	✓	✓					
Albone 35MS	✓	✓	✓	✓					
Albone 50M	✓	✓	✓	✓					
Peroxal 70A				✓					
Peroxal 50A				✓					
Peroxal 70CG					✓	✓			
Peroxal 50CG					✓	✓			
Peroxal 35CG					✓	✓			
Peroxal 70BPM				✓					
Peroxal 70MP				✓					
Peroxal 50CLG					✓	✓			
Peroxal 50EG									✓
Peroxal 50SEG									✓
Peroxal 70BIO					✓	✓			
Valsterane 50FG							✓	✓	
Valsterane 35FG							✓	✓	
Valsterane 35ASG								✓	
Valsterane 18ASG								✓	

For more information, and specific applications please contact your Arkema customer service representative.

Customer Service 1-800-346-5757

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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein and beyond our control, Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein related only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be taken as inducement to infringe any patent and the user is advised to take appropriate steps to be assured that any use of the product will not result in patent infringement.