



## N-5033 ANTIMICROBIAL

### EPA REGISTRATION NO. 67869-36

DESCRIPTION	<p>N-5033 ANTIMICROBIAL is a microbiocide for controlling slime-forming bacteria, sulfate-reducing bacteria, fungi, yeast and algae in paper mills and paper mill process water systems, water based coatings for paper and paper board, air washers, recirculating cool water systems, heat transfer systems, and oil well drilling and oil field processing applications and pigments and filler slurries for food contact paper and paperboard.</p> <p>N-5033 ANTIMICROBIAL can be dosed directly either by open pouring (not cooling water treatment) or by metered pump. For product preservation N-5033 ANTIMICROBIAL is best added after any heating stage or when the product has cooled below 40° C. Not for the control of algae in the State of California. Chemically, N-5033 ANTIMICROBIAL is a 50% solution of Glutaraldehyde.</p> <p>SYNONYMS:.....Pentanedial          CHEMICAL FAMILY: .....Dialdehyde          MOLECULAR FORMULA:.....C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>          MOLECULAR WEIGHT:.....100</p>
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TYPICAL PROPERTIES	<p>APPEARANCE AND ODOR:.....Yellow liquid with characteristic odor.          BOILING POINT: .....&gt;100° C          MELTING POINT:.....Not Applicable          VAPOR PRESSURE:.....N/A          SPECIFIC GRAVITY:.....1.13 @ 20° C          VAPOR DENSITY:.....N/A          PERCENT VOLATILE (BY WEIGHT): ..... N/A          pH:.....3.7          SATURATION IN AIR (PERCENT BY VOLUME):..... N/A          EVAPORATION RATE:..... N/A          SOLUBILITY IN WATER:.....Soluble</p>
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REACTIVITY DATA	<p>Stability Data:.....Stable          Incompatibility Data:.....Strong Acids/Strong Bases          Conditions/Hazards to Avoid:.....Freezing temperatures and sources of ignition          Hazardous Decomposition/Polymerization:.....Oxides of Carbon/polymerization will not occur          Corrosive Properties:.....Corrosive          Oxidizer Properties:.....Not an oxidizer</p>
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STORAGE/ DISPOSAL	<p><b>PESTICIDE STORAGE:</b> N-5033 ANTIMICROBIAL solutions are corrosive to many commonly used materials of construction such as steel, galvanised iron, aluminium, tin and zinc. These solutions can be stored and handled in baked phenolic lined steel, stainless steel or reinforced epoxy equipment. This product freezes at approximately -20° C (-4° F). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage (1 month) temperatures up to 100° F can be tolerated; however, the preferred maximum storage temperature is approximately 80° F. Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service. Do not contaminate water, food or feed by storage or disposal. <b>PESTICIDE DISPOSAL:</b> Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environment Control Agency, or the Hazardous Waste Representative at the nearest EPA regional office for guidance. <b>CONTAINER DISPOSAL:</b> Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.</p>
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REGISTRATION & APPROVALS	N-5033 ANTIMICROBIAL is registered by the U.S. Environmental Protection Agency (EPA Registration No. 67869-36. Glutaraldehyde (CAS# 111-30-8) has FDA approval under 21 CFR 175.105, 176.170, 176.300.								
PACKAGING	N-5033 ANTIMICROBIAL is available in 500 pound drums and 2200 pound totes.								
SHIPPING	<table> <tr> <td>Proper Shipping Name:</td> <td>Corrosive Liquid, Acidic, Organic, N.O.S. (Glutarelheyde)</td> </tr> <tr> <td>Class/Division:</td> <td>8</td> </tr> <tr> <td>ID Number:</td> <td>Not applicable</td> </tr> <tr> <td>Packing Group:</td> <td>II</td> </tr> </table>	Proper Shipping Name:	Corrosive Liquid, Acidic, Organic, N.O.S. (Glutarelheyde)	Class/Division:	8	ID Number:	Not applicable	Packing Group:	II
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NOTICE

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.

The information of this Data Sheet is offered solely for your information, consideration, and investigation and represents our current data and best opinion as to the proper use of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user. This information is provided without warranties, either express or implied, and we assume no responsibility for the accuracy or completeness of the data contained herein.



For more information call: 1 800 778-5462 • FAX 1 412 331-7884  
 Or write VERICHEM, 3499 Grand Avenue, Pittsburgh, Pennsylvania 15225

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