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| <b>US ENVIRONMENTAL PROTECTION AGENCY</b><br><b>OFFICE OF PESTICIDES PROGRAMS</b><br><b>REGISTRATION DIVISION (TS-767)</b><br><b>WASHINGTON, DC 20460</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>EPA REGISTRATION NO.</b><br>891-186           | <b>DATE OF ISSUANCE</b><br>DEC 31 1986 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>TERM OF ISSUANCE</b>                          |                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NAME OF PESTICIDE PRODUCT</b><br>Herules 5203 |                                        |
| <b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION<br><input type="checkbox"/> REREISTRATION<br><i>(Under the Federal Insecticide, Fungicide,<br/>and Rodenticide Act, as amended)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |                                        |
| <b>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</b><br><br>Herules Incorporated<br>910 Market Street<br>Wilmington, DE 19890                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |                                        |
| <b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                                        |
| <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"><li>1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</li><li>2. Make the labeling changes listed below before you release the product for shipment:<ol style="list-style-type: none"><li>a. Add the phrase "EPA Registration No. 891-186."</li><li>b. Include the appropriate EPA Establishment Number.</li><li>c. Revise the words "Distributed by" to read "Manufactured by" since you are the registrant for this product.</li><li>d. Include in the Storage Disposal section the subheading "Pesticide Disposal."</li></ol></li></ol> |                                                  |                                        |
| <input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                                        |
| <b>SIGNATURE OF APPROVING OFFICIAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | <b>DATE</b>                            |

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures



FOR  
INDUSTRIAL  
USE ONLY

WATER  
MANAGEMENT  
CHEMICALS

DEC 8

89

**HERCULES® 520**  
MICROBIOCIDAL COMPOUND  
Cooling Water Treatment

ACTIVE INGREDIENTS:

Alkyl (C<sub>12</sub> 40% C<sub>11</sub> 25% C<sub>10</sub> 15%)

dimethyl benzyl ammonium chloride ..... 25.0

Tributyltin neodecanoate ..... 4.9

INERT INGREDIENTS: ..... 70.1

TOTAL ..... 100.0

Keep Out of Reach of Children

**DANGER!**

Read Side Panel for Additional Precautionary Statements

EPA Reg. No.

EPA Est. No.

GROSS WT

DISTRIBUTED BY

HERCULES INCORPORATED

WILMINGTON, DELAWARE 19894, U.S.

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## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER!

CORROSIVE.

CAUSES SEVERE SKIN AND EYE DAMAGE. HARMFUL OR FATAL IF SWALLOWED. BREATHING OF VAPORS COULD BE HAZARDOUS.

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Wear goggles or face shield and rubber gloves when handling.

## STATEMENT OF PRACTICAL TREATMENT

**Eyes:** In case of contact, immediately flush with plenty of water for 15 minutes. Call a physician.

**Skin:** In case of contact, wash with soap and plenty of water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

**Ingestion:** If swallowed, drink promptly a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and other aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, bays, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## PHYSICAL OR CHEMICAL HAZARDS

Combustible

Do not use or store near heat or open flame

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING TOWERS.** For control of algae and slime, add 1/4 to 1/2 pt per 1,000 gal (21 to 62 cm<sup>3</sup>/L) of contained water at a point in the system where it will be uniformly mixed. Repeat application as often as required when the system is noticeably fouled, once per week in summer, less frequently in winter.

## STORAGE AND DISPOSAL

Do not contaminate water, feed or food by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL** - (Metal containers): Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or follow other procedures approved by state and local authorities.

## WARRANTY:

1. The manufacturer guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals.

2. The manufacturer further warrants that the material herein is reasonably fit for use under normal conditions as directed hereon. The manufacturer DOES NOT MAKE AND DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES OF FITNESS OR MERCHANTABILITY, GUARANTEE, OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. This product is sold only on the basis that buyer assumes all risks of use, handling, or storage which result in loss or damage and which are beyond manufacturer's control. No claim of any kind, and whether or not based on negligence, shall be greater in amount than the purchase price of the material in respect of which such claim is made. In no event shall manufacturer or seller be liable for special, indirect, or consequential damages resulting from the use, handling, or storage of this material.

3. No modification of this warranty and disclaimer is authorized, except by specific reference to them in writing by an authorized employee of the manufacturer.

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