



<b>Section #1 - Chemical Product and Company Identification</b>							
Product Name:	<b>paracide™ 101</b>						
Chemical Family:	Slimicide/Microbiocide						
Company Information:	Paradigm Chemical and Consulting, LLC 3619 Cantrell Industrial Court Acworth, GA 30101 (Office) 678 945-6742 (Fax) 678-945-7742 www.paradigmchemical.com email: sales@paradigmchemical.com						
Emergency Phone:	<b>INFOTRAC 1-800-535-5053 (24 Hour Emergency Number)</b>						
<b>Section # 2 - Hazards Identification</b>							
Hazard Pictograms:	 						
Signal Word:	Danger						
GHS Classification:	Skin sensitization=Category 1B, Eye irritation=Category 1B,						
Hazard Statement:	Eye Contact: This product may cause irreversible eye damage upon contact depending on the length of exposure, solution concentration and first aid measures.						
	Skin Contact: This product would be considered a moderate skin irritant.						
	Ingestion: This product would be regarded a toxic if swallowed. Ingestion may produce irritation of the gastrointestinal tract, nausea, vomiting, cramps, and diarrhea.						
	Inhalation: The dust from crystalline MBT is considered to be highly toxic by inhalation. This product is an aqueous dispersion and is unlikely to pose a inhalation hazard.						
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling.						
<b>Section # 3 - Composition/information on ingredients</b>							
	<table border="1"> <thead> <tr> <th><u>Hazardous Components</u></th> <th><u>CAS #</u></th> <th><u>% By Weight</u></th> </tr> </thead> <tbody> <tr> <td>Methylene bis(thiocyanate)</td> <td>6317-18-6</td> <td>10</td> </tr> </tbody> </table>	<u>Hazardous Components</u>	<u>CAS #</u>	<u>% By Weight</u>	Methylene bis(thiocyanate)	6317-18-6	10
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<b>Section # 4 - First Aid Measures</b>							
Eye Contact:	Flush with water for 15 minutes, holding lids open. Call a physician if irritation persists.						
Skin Contact:	If on skin (or hair) wash exposed area with large amounts of soap and water. Wash contaminated clothing before reuse. Seek medical attention.						
Ingestion:	Call a physician or Poison Control. Drink one or two glasses of water and induce vomiting.						
Inhalation:	Remove to fresh air. If breathing has stopped, give artificial respiration and seek immediate medical attention.						

<b>Section # 5 - Fire and Explosion Data</b>	
Flash Point:	Closed Cup: >200 degrees F
Flammable Limit:	LFL: N/A UFL: N/A
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances.
Fire Fighting Instructions:	Use self-contained breathing apparatus with full face-piece and protection for skin and impervious clothing. This product emits toxic gases under fire conditions.
Combustion Products:	None known
Special Hazards:	None known
<b>Section # 6 - Accidental Release Measures</b>	
Spill and Leak Procedures:	Wearing appropriate PPE, contain spill, collect onto inert absorbent and place in a suitable container.
Reportable Quantity:	None
<b>Section # 7 - Handling and Storage</b>	
Handling:	It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Improper handling can be injurious to workers. Do not get in eyes, on skin, or on clothing. Avoid breathing mists. Use adequate ventilation. Wash thoroughly after handling
Storage:	Keep containers tightly closed and store in a dry, cool and well ventilated place. Storage temperatures below 100 degrees F. Container must be stored and transported in an upright position to prevent spilling.
<b>Section # 8 - Exposure Controls / Personal Protection</b>	
Eyes and Face:	Safety glasses with side-shields or chemical splash goggles/full face shield.
Skin:	Impervious chemical gloves (rubber or neoprene) are recommended and full body protective clothing, an apron or other impermeable.
Respiratory:	When misting can occur in the work area, use a NIOSH approved respirator in accordance with OSHA respiratory requirements (29 CFR 1910.134)
Engineering Controls:	Product should be handled as an irritant. Handle in accordance with good industrial hygiene and safety practice.

<b>Section # 9 - Physical and Chemical Properties</b>	
Physical Appearance:	Moderately viscous, uniform, opaque liquid dispersion yellow to light yellow in color.
Odor:	Characteristic
pH:	2.5 - 5.0
Boiling Point:	212°F
Freezing Point:	Not Available
Specific Gravity:	1.1
Density:	9.17
Vapor Pressure (mm Hg):	Similar to water
Vapor Density:	Not Available
% Volatile:	Not Available
% VOC by EPA Method 24:	Not Available
Solubility in Water:	Dispersible
<b>Section # 10 - Stability and Reactivity</b>	
Chemical Stability	At temperatures above the melting point of MBT (107 degrees C) it is very unstable. At 100 degrees C the half life is 3 months whereas at 150 degrees C IT IS ABOUT 30 MINUTES. The heat of decomposition is more than sufficient for thermal runaway. At 170 degrees C decomposition would be almost instantaneous, toxic and odiferous gases such a carbon disulfide, methyl mercapton and carbon sulfide.
Conditions to Avoid:	Avoid storage at temperatures above or below recommended levels
Incompatibility with Other Materials:	Strong acids and bases
Hazardous Decomposition:	Decomposition will produce gases of carbon dioxide, sulfur dioxide, and nitrogen.
Special Remarks:	None
<b>Section # 11 - Toxicological Information</b>	
Eye:	May cause irritation, discomfort, or injury. Causes severe eye damage.
Dermal:	LD50, rabbits = 2.2 g/kg
Inhalation:	LC50, rats = <0.09 mg/l for MTC
Oral:	LD50, rats = 640 mg/kg
Chronic Effects:	Not Available

<b>Section # 12 - Ecological and Environmental Information</b>									
Ecological:	LC50 = 1.9 ppm 96 hours Rainbow trout / LC50 = 2.08 ppm 96 hours Bluegill sunfish / LC50 0.48 ppm 96 hours Daphnia magna								
Environmental Fate:	Not Available								
<b>Section # 13 - Disposal Considerations</b>									
Waste Disposal Method:	Pesticides are acutely hazardous. Improper disposal of excess pesticides, spray mixture or rinsate is a violation of Federal Law. If these wastes can not 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								
RCRA:	Discarded product, as sold, would not be considered a RCRA Hazardous Waste.								
<b>Section # 14 - Transportation Information</b>									
DOT:	Non-regulated								
Proper Shipping Name:	Non-regulated								
Hazard Class:	Non-regulated								
Identification Number:	Non-regulated								
Packing Group:	Non-regulated								
Reportable Quantity:	None								
Special Provisions for Transport:	None								
<b>Section # 15 - Regulatory Information</b>									
TSCA:	This product is a registered pesticide. As such it is exempt from the listing requirements of the TSCA inventory.								
CERCLA/SARA	Not Applicable								
SARA Title III Section 313:	Not Applicable								
FDA Compliant:	21 CFR 176.300								
Canada:									
Other Regulations:	The EPA Registration number is found on the product label.								
<b>Section # 16 - Other Information</b>									
<u>HMIS</u>	<table border="1"> <tr> <td>Health Hazard</td> <td>2</td> </tr> <tr> <td>Fire Hazard</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td></td> </tr> </table> <p><i>Note: Personal protective equipment (PPE) is related to conditions of use. Determination of PPE is the responsibility of the employer. Refer to Section #8 of this SDS for recommendations</i></p>	Health Hazard	2	Fire Hazard	1	Reactivity	0	Personal Protection	
Health Hazard	2								
Fire Hazard	1								
Reactivity	0								
Personal Protection									
<u>IMPORTANT:</u>	This SDS was prepared and it to be used only for this product in its present form. This information is believed to be accurate and is compiled from sources believed to be reliable. Buyer assumes all risk of use, storage, and handling. Paradigm will not be liable for any claim relating to a party's use of or reliance on information and data contained herein. Paradigm makes no warranty of merchantability or other warranty of any kind, expressed or implied, with respect to this information and assumes no liability for any direct, incidental, or consequential damages resulting from its use.								