

PAGE #:1 OF 3	<b>PRODUCT SAFETY DATA SHEET</b> <b>MIDSCI</b>	<b>ISSUE DATE:</b> <b>07/16/2004</b>	<b>REV.:1</b> <b>REV Date: 07/16/2004</b>
	Product Name: DNA SAFESTAIN, DNA SAFESTAIN PLUS		<b>MIDSCI ITEM NO: C138 &amp; C139</b>

### **SECTION 1 - CHEMICAL IDENTIFICATION**

PRODUCT NAME: DNA SAFESTAIN, DNA SAFESTAIN PLUS  
 MIDSCI CATALOG #: C138 and C139  
 SUPPLIER'S NAME: MIDSCI  
 SUPPLIERS ADDRESS: 280 Vance Rd St. Louis, MO 63088  
 EMERGENCY CONTACT: 1-800-424-9300  
 OTHER INFORMATION: 800-227-997

### **SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

CAS NUMBER N/AEEC-NO  
 N/A

### **SECTION 3 - HAZARDS IDENTIFICATION**

NOT HAZARDOUS ACCORDING TO DIRECTIVE 67/548/EEC.EMERGENCY OVERVIEW IRRITANT.  
 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.HMIS RATING  
 HEALTH: 2  
 FLAMMABILITY: 0  
 REACTIVITY: 1  
 NFPA RATING HEALTH: 2  
 FLAMMABILITY: 0  
 REACTIVITY: 1

### **SECTION 4 - FIRST-AID MEASURES**

EYE CONTACT - FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYES WITH FINGERS. CALL A PHYSICIAN.  
 SKIN CONTACT - IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.  
 INHALATION - REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.INGESTION WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

### **SECTION 5 - FIRE FIGHTING MEASURES**

SPECIAL RISKS  
 WEAR SELF - CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING IFNECESSARY.  
 DECOMPOSES AT MELTING POINT. TOXIC GASSES PRODUCED: HYDROGEN CHLORIDE, NITROGEN OXIDES, CARBON MONOXIDE AND CARBON DIOXIDE. SUITABLE EXTINGUISHING MEDIA WATER, CO2, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS - MINIMIZE DIRECT CONTACT WITH SKIN AND EYES.  
 METHODS FOR CLEANING UP - PICK UP AND ARRANGE DISPOSAL. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL. VENTILATE AFTER SPILL.

### **SECTION 7 - HANDLING AND STORAGE**

HANDLING - AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION. AVOID PROLONGED OR REPEATED EXPOSURE.  
 STORAGE - KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. LIGHTSENSITIVE.

PAGE #:2 OF 3	<b>PRODUCT SAFETY DATA SHEET</b> <b>MIDSCI</b>	<b>ISSUE DATE:</b> <b>07/16/2004</b>	<b>REV.:1</b> <b>REV Date: 07/16/2004</b>
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HYGROSCOPIC.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

AS APPROPRIATE TO QUANTITY HANDLED. NIOSH/MSHA APPROVED RESPIRATOR IF NECESSARY.COMPATIBLE CHEMICAL RESISTANT GLOVES. CHEMICAL SAFETY GOGGLES. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

FORM LIQUID  
 COLOUR ORANGE-RED TO BROWNODOUR N/A  
 MELTING POINT 239°C  
 BOILING POINT N/A DENSITY  
 N/A  
 VAPOUR PRESSURE N/A SOLUBILITY IN  
 WATER SOLUBLEFLASH POINT N/A  
 EXPLOSION LIMITS N/A IGNITION  
 TEMPERATURE N/APH N/A  
 DNA SAFESTAIN - C138

**SECTION 10 - STABILITY AND REACTIVITY**

PROTECT FROM STRONG OXIDIZING AGENTS.  
 HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS AREHYDROGEN CHLORIDE, NITROGEN OXIDES, CARBON MONOXIDE AND CARBON DIOXIDE.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY LD50SUBCUTANEOUS MOUSE  
 250 MG/KG  
 SIGNS AND SYMPTOMS OF EXPOSURE  
 TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL AND TOXICOLOGICALPROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED  
 ROUTE OF EXPOSURE  
 SKIN CONTACT: MAY CAUSE IRRITATION.  
 SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.EYE CONTACT: MAY CAUSE EYE IRRITATION.  
 INHALATION: MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT ANDMUCOUS MEMBRANES. MAY BE HARMFUL IF INHALED.  
 INGESTION: MAY BE HARMFUL IF SWALLOWED.TARGET ORGAN INFORMATION - BLOOD CHRONIC EXPOSURE - CARCINOGEN  
 RESULT: THE AGENT (MIXTURE, EXPOSURE CIRCUMSTANCE) IS PROBABLY NOTCARCINOGENIC TO HUMANS.  
 THE AGENT HAS A NEGATIVE RESULT IN MOUSE MARROW CHROMOPHILUS ERYTHROCYTEMICRONUCLEUS TEST.  
 THE AGENT HAS A NEGATIVE RESULT IN MOUSE SPERMARY SPERMATOCYTE CHROMOSOMALABERRATION TEST.  
 IARC CARCINOGEN LISTRATING: GROUP 4  
 CHRONIC EXPOSURE - MUTAGEN  
 RESULT: LABORATORY EXPERIMENTS AND AMES TEST HAVE SHOWN FEW MUTAGENICEFFECTS.

**SECTION 12 - ECOLOGICAL INFORMATION**

DATA NOT AVAILABLE.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

PAGE #:3 OF 3	<b>PRODUCT SAFETY DATA SHEET</b> <b>MIDSCI</b>	<b>ISSUE DATE:</b> <b>07/16/2004</b>	<b>REV.:1</b> <b>REV Date: 07/16/2004</b>
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CONTACT A PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND A SCRUBBER. CHEMICAL RESIDUES ARE GENERALLY CLASSIFIED AS SPECIAL WASTE, AND AS SUCH COVERED BY REGULATIONS, WHICH VARY ACCORDING TO LOCATION. CONTACT YOUR LOCAL WASTE DISPOSAL AUTHORITY FOR ADVICE, OR PASS TO A CHEMICAL DISPOSAL COMPANY. DNA SAFESTAIN – C138

**SECTION 14 - TRANSPORT INFORMATION**

NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES-PHRASES: 22-24/25  
 NOT HAZARDOUS ACCORDING TO DIRECTIVE 67/548/EEC. COUNTRY  
 SPECIFIC INFORMATION  
 GERMANY WGK: 3  
 SWITZERLAND  
 SWISS POISON CLASS: 1\*

**SECTION 16 - OTHER INFORMATION**

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATASHEET IS BELIEVED TO BE ACCURATE BUT IT IS THE RESPONSIBILITY OF THE USER OR SUPPLIER TO DETERMINE THE APPLICABILITY OF THESE DATA TO THE FORMULATION OF NECESSARY SAFETY PRECAUTIONS. MIDSCI INC. SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THE USE OF THE ABOVE PRODUCT OR THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.