



Curtin Matheson Scientific, Inc.
1225 N MICHAEL DRIVE

WOOD DALE, IL 60191-1019

FISONS

MATERIAL SAFETY DATA SHEET

MAIL TO: SCHOOLCRAFT COLLEGE

HPS MEMBER
18600 HAGGERTY RD.
REC'G DOCK

LIVONIA, MI 48152-2696

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS

BIOCHEMICAL SCIENCES

PVT LABEL

PO BOX 518

BRIDGEPORT NJ 08014

EMERGENCY PHONE 800-524-0294

CHEMICAL NUMBER:

ITEM NUMBER: 0206441

VNDR CATLG NBR: CMS-012

ENTRY DATE: 10-17-90

CHANGE DATE: 06-16-95

PO NUMBER: 80203

COMMON NAME (ON LABEL)

HEMAQUIK II-WRIGHT-GIEMSA STAIN SOLUTION

CHEMICAL FAMILY

N/G

TRADE NAME & SYNONYMS

METHYL ALCOHOL,

CHEMICAL FORMULA

N/G

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
METHANOL	67-56-1	90.00	.000 PPM	200.000 PPM
GLYCERINE	56-81-5	8.00	.000 N/G	10.000 MG/M3
WRIGHT STAIN	68988-92-1	1.00	NOT GIVEN	200.000 PPM
GIEMSA	51855-82-6	1.00	.000 N/E	.000 N/E

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION

NO OTHER INGREDIENT INFORMATION GIVEN.

SECTION 3 - PHYSICAL DATA

BOILING POINT 64.6 C	VOLATILE BY VOLUME (%) N/G	VAPOR PRESSURE N/E
MELTING POINT N/A	VAPOR DENSITY N/E	SOLUBILITY IN WATER INFINITE
EVAPORATION RATE (N/E	SPECIFIC GRAVITY EQUIVALENT 90%	

APPEARANCE AND ODOR

DARK BLUE LIQUID, ALCOHOLIC ODOR.

OTHER PHYSICAL DATA

NO OTHER PHYSICAL DATA GIVEN.

SECTION 4 - FIRE AND EXPLOSION DATA**FLASH POINT**

54 F (CC)

LOWER EXPLOSIVE LIMIT

6.0

UPPER EXPLOSIVE LIMIT

36.00

EXTINGUISHING MEDIA

DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS

KEEP FROM HEAT AND SPARKS. EXTREMELY FLAMMABLE. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION. MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS.

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PROTECTIVE EQUIPMENT WHEN PORTENTIAL FOR EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION EXISTS. WATER SPRAY CAN BE USED TO REDUCE INTENSITY OF FLAMES AND TO DILUTE SPILLS TO A NONFLAMMABLE MIXTURE.

SECTION 5 - HEALTH HAZARD DATA**HEALTH HAZARDS (ACUTE & CHRONIC)**
SEE SIGNS AND SYMPTOMS OF EXPOSURE.**PRIMARY ROUTES OF EXPOSURE**
INHALATION, SKIN, INGESTION.**SIGNS AND SYMPTOMS OF EXPOSURE**BURNING OF THE THROAT, COUGHING AND EYES TEARING. COOLING EFFECT ON THE SKIN.
MAY CAUSE LIVER, HEART, AND KIDNEY
DAMAGE. ALSO MAY CAUSE GASTROINTESTINAL DISTURBANCES AND CONVULSIONS.

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

SIGNIFICANT EXPOSURE MAY ADVERSELY AFFECT PEOPLE WITH CHRONIC DISEASE.

CARCINOGENICITY

INDICATORS NOT GIVEN

NTP

☐ Yes ☐ No

IARC

☐ Yes ☐ No

OSHA

☐ Yes ☐ No

N/E

EMERGENCY AND FIRST AID PROCEDURES

SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH COPIOUS AMOUNTS OF SOAP AND WATER. EYES: FLUSH EYES IMMEDIATELY WITH WATER FOR 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSIST.
INGESTION: INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND PRESSING FINGER DOWN THROAT. CONTACT A PHYSICIAN IMMEDIATELY. INHALATION: REMOVE PERSON FROM IMMEDIATE AREA TO FRESH AIR. IF BREATHING HAS STOPPED BEGIN ARTIFICIAL RESPIRATION. CONTACT A PHYSICIAN IMMEDIATELY.

THRESHOLD LIMITS / TOXICITY DATA

SEE SECTION 11 HAZARDOUS INGREDIENT INFORMATION.

SECTION 6 - REACTIVITY DATA

STABILITY

Unstable ☐ Stable ☒

CONDITIONS TO AVOID

HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)

ACIDS, ACID CHLORIDES, ACID ANHYDRIDES, REDUCING AGENTS, ALKALI METALS AND STRONG OXIDIZING AGENTS.

SECTION 6 - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
OXIDES OF CARBON AND NITROGEN.

HAZARDOUS POLYMERIZATION May Occur ☐ Will Not Occur ☒
CONDITIONS TO AVOID
WILL NOT OCCUR

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION IN THE VICINITY OF THE SPILL OR RELEASED VAPORS. ISOLATE THE SPILL AREA. COVER WITH SAND, DRY-LIME OR SODA ASH. PLACE IN COVERED CONTAINERS.

WASTE DISPOSAL METHOD

DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

NOT NORMALLY REQUIRED. IF VAPOR CONCENTRATION BECOMES HIGH, USE NIOSH APPROVED RESPIRATOR.

LOCAL VENTILATION

N/A

MECHANICAL VENTILATION

N/A

SPECIAL VENTILATION

YES

SECTION 8 - SPECIAL PROTECTION INFORMATION (CONTINUED)**OTHER VENTILATION**

N/A

PROTECTIVE GLOVES

RUBBER GLOVES

EYE PROTECTION

SAFETY GLASSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL LABORATORY APPAREL.

SECTION 9 - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

USE PRECAUTIONS FOR COMBUSTIBLE LIQUIDS. KEEP AWAY FROM OPEN FLAMES.

SECTION 10 - OTHER INFORMATION**MISCELLANEOUS INFO.**

NFPA: HEALTH: 1; FLAMMABLE: 3; REACTIVITY: 0. N/A = NOT AVAILABLE. N/A = NOT APPLICABLE.

N/G = NOT GIVEN.

N/E = NONE ESTABLISHED.