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## MATERIAL SAFETY DATA SHEET

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**SUPPLIER: PRODUITS CHIMIQUES ACP CHEMICALS INC.**

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DATE OF MSDS: 2003-01-02  
NAME OF PRODUCT: ACETO-CARMINE SOLUTION  
EMERGENCY TELEPHONE NO.: (613) 996-6666 (CANUTEC)

### SECTION I IDENTIFICATION

TRADE/CHEMICAL SYNONYMS  
FORMULA SEE SECTION II  
RTECS# ALL  
C.A.S. # SEE SECTION II

HEALTH  
FLAMMABILITY  
REACTIVITY  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

### SECTION II MIXTURE COMPONENTS

COMPONENT	CAS NUMBER	%	TLV
CARMINE BIOSTAIN	1390-65-4	0.5	NE
ACETIC ACID	64-19-7	45	10 PPM TWA
WATER	BALANCE		

NA=NOT APPLICABLE  
NE=NONE ESTABLISHED

### SECTION III PHYSICAL CHARACTERISTICS INFORMATION

MELTING POINT C NA                      SPECIFIC GRAVITY(H<sub>2</sub>O=1) 1  
BOILING POINT C NA  
PERCENT VOLATILE BY VOLUME (%) 45  
VAPOR PRESSURE MM HG/C NA  
EVAPORATION RATE ( =1) NA  
VAPOR DENSITY (AIR=1) NA  
SOLUBILITY IN WATER NA  
APPEARANCE AND ODOR RED LIQUID, STRONG VINEGAR ODOR.

#### **SECTION IV FIRE/EXPLOSION HAZARD INFORMATION**

FLASH POINT C NA (METHOD)

FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: 4.0 UPPER: 19.9

FIRE EXTINGUISHER TYPE: USE ANY MEDIUM SUITABLE FOR EXTINGUISHING SUPPORTING FIRE.

FIRE FIGHTING PROCEDURES (CALL FIRE DEPT. IMMEDIATELY) IN THE EVENT OF A FIRE WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

FIRE/EXPLOSION HAZARDS: COMBUSTIBLE VAPORS. ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS NOTED ABOVE. VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCE AND FLASH BACK.

D.O.T. ACETO-CARMINE BIOSTAIN SOLUTION CORROSIVE LIQUID NOS UN1760  
D.O.T. REGULATIONS MAY CHANGE FROM TIME TO TIME. PLEASE CONSULT THE MOST RECENT D.O.T. REGULATIONS. ESSENTIALLY SIMILAR TO FORM OSHA-174.

#### **SECTION V HEALTH HAZARD INFORMATION**

THRESHOLD LIMIT VALUE (TLV) SEE SECTION II

OVEREXPOSURE SYMPTOMS (WHEN IN DOUBT, CALL A PHYSICIAN OR LOCAL POISON CONTROL CENTER) CORROSIVE! SEVERE IRRITATION AND BURNS BY ALL EXPLOSIVE ROUTES. MAY STAIN SKIN.

EMERGENCY AND FIRST AID PROCEDURES: SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY. EYES: WASH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: GIVE SEVERAL GLASSES OF WATER OR MILK, IF AVAILABLE, TO DRINK. VOMITING MAY OCCUR SPONTANEOUSLY, BUT DO NOT INDUCE! NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. GIVE MILK OF MAGNESIA TO HELP NEUTRALIZE.

## **SECTION VI REACTIVITY INFORMATION**

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, IGNITION SOURCES

INCOMPATIBILITIES (MATERIALS TO AVOID): OXIDIZING AGENTS, BASES

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

## **SECTION VII SPILL CLEANUP/DISPOSAL INFORMATION**

CLEANUP METHODS(S) CLEANUP/DISPOSAL METHODS ARE RECOMMENDATIONS ONLY. CHECK YOU LOCAL, STATE, FEDERAL REGULATIONS. DILUTE AND NEUTRALIZE WITH SODIUM BICARBONATE.

DISPOSAL METHOD(S) FLUSH TO DRAIN AFTER NEUTRALIZATION.

## **SECTION VIII PERSONAL PROTECTION RECOMMENDATIONS**

RESPIRATORY PROTECTION (SPECIFY TYPE): ORGANIC CARTRIDGE

VENTILATION LOCAL EXHAUST X  
MECHANICAL (GENERAL) X

PROTECTIVE GLOVES: RUBBER EYE PROTECTION: GOGGLES

OTHER PROTECTIVE EQUIPMENT: APRON

## **SECTION IX ADDITIONAL INFORMATION**

SEE SECTION II

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