

For Coatings, Resins and Related Materials

=====

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: Crawford Laboratories, Inc. Information Phone: 773-376-7132
4165 South Emerald Avenue Emergency Phone: 800-424-9300
Chicago, IL 60609

! Hazard Ratings: Health - 2
Product Class: PART B ! none -> extreme Fire - 2
Trade Name : FLOROTHANE MC ULTRA 100 ! 0 ---> 4 Reactivity - 0
Product Code : R0-159 !
C.A.S. Number: SEE BELOW !

=====

SECTION II - HAZARDOUS INGREDIENTS

Table with 6 columns: Ingredients, CAS #, Weight %, Exposure Limits (ACGIH/TLV, OSHA/PEL), and VP (mm HG). Row 1: DGME ACETATE, 88917-22-0, > 75, Undetermined.

* SECTION 313 SUPPLIER NOTIFICATION
Ingredients with * above are subject to reporting requirements
of section 313 of the Emergency Planning and Community
Right-To-Know Act of 1986 of 40 CFR 372.

=====

SECTION III - PHYSICAL DATA

Boiling Range: 311 - 408 Deg. F Vapor Density: Heavier than Air.
Evap. Rate: 0.0 x n-Butyl Acetate Liquid Density: Lighter than Water.
Volatiles volume: 93.8 % Wgt per gallon: 7.99 Pounds.
Appearance: LIGHT AMBER LIQUID

=====

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: Flash Point: 185 F SETA LEL :

-EXTINGUISHING MEDIA:

FOAM, CO2, DRY CHEMICAL

-SPECIAL FIREFIGHTING PROCEDURES:

AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES OR
PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL FROM
THE FIRE AREA. FIRE FIGHTERS SHOULD WEAR FULL-FACE, SELF-
CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTINVE
CLOTHING. WATER MAY BE USED TO KEEP FLAMMABLE STRUCTURES WET.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

=====

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

CARE SHOULD BE TAKEN TO ASSURE THAT THE EXPOSURE LIMITS SHOWN
IN SECTION II ARE NOT EXCEEDED. WHEN IN DOUBT - WEAR AN
APPROVED RESPIRATOR AND ORDER AIR SAMPLING TESTS. (SEE SECTION
VIII).

Crawford Laboratories, Inc.

Material Safety Data Sheet for: R0-159

=====

SECTION V - HEALTH HAZARD DATA (cont.)

-EFFECTS OF OVEREXPOSURE:

GENERAL EFFECTS FOR THIS TYPE OF PRODUCT:

MAY CAUSE INJURY TO SKIN FOLLOWING REPEATED OR PROLONGED CONTACT
AND MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

EYE CONTACT MAY CAUSE SEVERE IRRITATION

INHALATION MAY CAUSE IRRITATION TO NOSE, THROAT OR LUNGS

INGESTION MAY BE HARMFUL IF SWALLOWED

-FIRST AID:

--EYE CONTACT-FLUSH WITH PLENTY OF FRESH WATER FOR 15 MINUTES
WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

--INHALATION-REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF
BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT
BREATHING. GET MEDICAL ATTENTION. KEEP VICTIM WARM AND
COMFORTABLE. NEVER GIVE AN UNCONSCIOUS PERSON LIQUIDS.

--INGESTION-IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY.
ONLY INDUCE VOMITING ON INSTRUCTIONS OF PHYSICIAN. IF
VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT
ASPIRATION OF LIQUID INTO LUNGS. NEVER GIVE ANYTHING BY MOUTH
TO AN UNCONSCIOUS PERSON.

--SKIN CONTACT- FLUSH WITH WATER WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. FOLLOW BY WASHING

WITH SOAP AND WATER. DO NOT REUSE CONTAMINATED CLOTHING OR SHOES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF STICKY, USE WATERLESS CLEANER FIRST.

=====

SECTION VI - REACTIVITY DATA

STABILITY: [] Unstable [x] Stable
HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur

-INCOMPATABILITY:

STRONG ACIDS, OXIDIZERS

-CONDITIONS TO AVOID:

STRONG ACIDS, OXIDIZERS

-HAZARDOUS DECOMPOSITION PRODUCTS:

TOXIC FUMES AT DECOMPOSITION TEMPERATURES.

SUCH AS CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN,
HF.

=====

SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLETELY ABSORB WITH INERT MATERIAL (VERMICULITE), SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER. FLUSH AREA WITH WATER BUT PREVENT WASHINGS FROM ENTERING SEWERS AND WATERWAYS.

Crawford Laboratories, Inc.
Material Safety Data Sheet for: R0-159

=====

SECTION VII - SPILL OR LEAK PROCEDURES (cont.)

-WASTE DISPOSAL METHOD:

PLACE IN CLOSED CONTAINERS. DISPOSAL MUST BE IN ACCORDANCE
WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. CONTACT
AN APPROVED DISPOSAL FACILITY.

=====

SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATORS SHALL BE USED
DURING APPLICATION UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIST
LEVELS ARE BELOW APPLICABLE LIMITS.

-VENTILATION:

EFFECTIVE ENGINEERING CONTROLS SHOULD BE USED WHEREVER POSSIBLE.
SOLVENT FREE COATINGS MAY PRODUCE VAPORS.

-PROTECTIVE GLOVES:

NEOPRENE RUBBER GLOVES.

-EYE PROTECTION:

WEAR APPROVED SAFETY GOGGLES AND/OR FACE SHIELD.

-OTHER PROTECTIVE EQUIPMENT:

HAVE EYE BATH AVAILABLE AND SAFETY SHOWER AVAILABLE.

=====

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE AWAY FROM FLAMES AND HIGH TEMPERATURES. AVOID PROLONGED
SKIN CONTACT. AVOID BREATHING VAPORS.

-OTHER PRECAUTIONS:

NOTE

All information and opinions in this report are based on
experience and computer programming which we believe to be
reliable. We believe that the information contained herein is
current as of the date of this report. Since the use of this
information and of these opinions and the conditions of the use
of the product are not within the control of Crawford
Laboratories, Inc, it is the user's obligation to determine the
conditions of safe use of this product.

Crawford Laboratories, Inc. makes no warranty, expressed
or implied, as to the accuracy of the information and opinions,
and assumes no responsibility for any damage to person, property
or business arising from such use.