









MATERIAL SAFETY DATA SHEET

100V46

PRODUCT NAME: MIL-PRF-85285D TYPE I CATALYST

HMIS CODES: H F R P
 3 3 0 G

SECTION I: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: MACH-DYNAMICS

ADDRESS: 3870 La Sierra Avenue, Suite 212, Riverside, CA 92505

INFORMATION PHONE: (909) 515-3748 Fax (775) 599-4585

NAME OF PREPARER: Mark Gingerella

DATE REVISED: FEB 16, 2004 (01-01-99)

REASON REVISED: Format (PROP 65 Statement)

EMERGENCY PHONE: CHEMTRC 1-800-424-9300

SECTION II: HAZARDOUS INGREDIENTS / SARA III INFORMATION

OCCUPATIONAL EXPOSURE LIMITS

VAPOR PRESSURE

WEIGHT

HAZ .COMP.	CAS #	OSHA PEL	ACCIW TLV	OTHER	mm Hg @ Temp	PERCENT
*1	1330-20-7	100 PPM	100 PPM		5.1 @ 68 Deg F	25
2	822-06-0	50 PPM			0.0 @ 68 Deg F	75

*1 XYLENE

2 1,5 HEXMETHYLENE DIISOCYANTE BASED POLYISOCYANTE

*INDICATES TOXIC CHEMICAL(S) SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

*WARNING THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 280 Deg F

Specific Gravity: (H2O=1) 1.0

Vapor Density: Heavier than air

Evaporation Rate: Slower than Ether

Material V.O.C: 2.15 Lb/GL (258 G/L)

Solubility In Water: Essentially NIL

Appearance and Odor: Clear Thin Liquid With Strong Solvent Odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 80 Deg F

Method Used: TCC

Flammable Limits In Air By Volume: Lower: 1.0% Upper: N/A

Extinguishing Media: Foam, CO2, Dry Chemical, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied equipment for enclosed areas. Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat/Fire Conditions: Vapors form Flammable/Explosive mixtures in air, vapors, heavy may travel to ignition source.

Open/Closed containers may contain flammable/explosive vapors. Under fire conditions: May emit irritating/toxic gas and/or fumes. Closed containers may explode when exposed to extreme heat (fire).

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SECTION V: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Flames, Sparking, Smoking, and Heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: HDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

Polymerization may occur if in contact with moisture or other materials which react with isocyanates.

SECTION VI: HEALTH HAZARD DATA

INHALATION HEALTH RISK AND SYMPTOMS OF EXPOSURE:

Prolonged and/or repeated exposure to high concentrations of airborne particles may lead to lung changes. Inhalation of high concentrations may also cause nausea, vomiting, cough, pulmonary irritation and headache.

SKIN AND EYE CONTACT HEALTH RISK AND SYMPTOMS OF EXPOSURE:

EYE: Direct contact and/or contact with vapors may cause irritation.

SKIN: Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin.

SKIN ABSORPTION HEALTH RISK AND SYMPTOMS OF EXPOSURE:

Contact may cause irritation and/or dermatitis. May be absorbed through the skin leading to systemic effects.

INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE:

Aspiration of this product into the lungs may cause pneumonitis, pulmonary edema and hemorrhage. Ingestion may cause gastrointestinal disturbances.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Direct contact to eyes may cause irritation, prolonged and/or repeated contact may cause skin irritation. Inhalation of high concentrations of vapors may lead to lung changes, nausea, vomiting, cough, pulmonary irritation, and central nervous system depression. Ingestion may cause gastrointestinal disturbance. Aspiration of this product into the lungs may cause pneumonitis, pulmonary edema and hemorrhage.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? NO
NYP ---Not listed IARC----Not listed

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Asthma and any other respiratory disorders (Bronchitis, Emphysema, etc), skin allergies, eczema.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, SEEK MEDICAL AID.

SKIN: WASH THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL AID IF IRRITATION PERSISTS.

INGESTION: IMMEDIATELY SEEK MEDICAL AID, DO NOT INDUCE VOMITING. GIVE 1 GLASS OF MILK or 1-2 OUNCES OF ACTIVATED CHARCOAL IN WATER TO VICTIM. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: Move to area free from risk of further exposure. Administer artificial respiration or oxygen as needed. Obtain medical attention.

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SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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

Stop leak if no risk involved. Remove all sources of ignition, stay upwind. Absorb with inert material. Flush area with water. Ventilate area for at least 24 hours or until area has been declared safe.

WASTE DISPOSAL METHOD: Use inert absorbent material on spills. Dispose of in accordance with all Federal, State, and Local Regulations. **Decontamination Solution:** Concentrated ammonia (3-8%), detergent (2%), and water (90-95%), Decontaminate before disposal. Respiratory protection is recommended during spill clean-up. Wash down spill area with decontamination solution.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed and upright to prevent leakage. Avoid flames, welding, open lights, etc.

Avoid breathing of vapor and spray mist.

Avoid skin and eye contact.

OTHER PRECAUTIONS:

Maintain good personal hygiene.

Do Not Use in confined areas, tank or pit, without adequate ventilation.

Persons with asthmatic type conditions, respiratory diseases or skin eczema should be excluded from Isocyanate contact.

SECTION VIII: CONTROL MEASURES

RESPIRATORY PROTECTION: If ventilation does not maintain inhalation exposures below TLV (PEL), use MSHA/NIOSH approved units.

Use units per current 29 CFR1910.134 and follow manufacturer's instructions and warnings.

If within OSHA protection factor, air purifying OV/filter units OK for use.

VENTILATION: Local and mechanical exhaust.

PROTECTIVE GLOVES: Chemical resistant gloves. Cover as much of the exposed skin area as possible with appropriate clothing.

EYE PROTECTION: Safety glasses with side shields or goggles. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath and safety shower.

WORK/HYGIENIC PRACTICES: Maintain good personal hygiene. Do not use in confined areas without adequate ventilation.

SECTION IX: DISCLAIMER

AS THE CONDITIONS OR METHODS ARE BEYOND OUR CONTROL WE DO NOT ASSUME ANY RESPONSIBILITY REGARDING USE OF PRODUCT. WE EXPRESSLY DISCLAIM ANY LIABILITY FOR ANY USE OF THE MATERIAL. INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE, ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED TO THE ACCURACY OF THE DOCUMENT.

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SECTION X: TRANSPORTATION DATA

GROUND

PROPER SHIPPING NAME: Paint, Flammable Liquid.

HAZARD CLASS: Flammable Liquid.

UN/NA NUMBER: UN 1263

APPLICABLE REGULATION: 49 CFR 171 - 179

U.S. POSTAL REGULATION: Not Applicable.

LABEL: Flammable Liquid.

DISPOSAL INFORMATION:

THIS PRODUCT IS A US EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. AVOID STORING MATERIAL NEXT TO OR NEAR OXIDIZING MATERIALS. EPA IGNITABLE.

AIR

PROPER SHIPPING NAME: Paint.

HAZARD CLASS: 3

UN/NA NUMBER: UN 1263

LABEL: Flammable Liquid.

PACKING GROUP: Consult IATA manual

APPLICABLE REGULATION: IATA

U.S. POSTAL REGULATION: Not Shippable.

DISPOSAL INFORMATION:

THIS PRODUCT IS A US EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. AVOID STORING MATERIAL NEXT TO OR NEAR OXIDIZING MATERIALS. EPA IGNITABLE.

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