

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: TT-P-659C #36231 GRAY PRIMER  
PRODUCT CODE: 700A399

HMIS CODES: H F R P  
2 3 0 G

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: MACH-DYNAMICS  
ADDRESS: 3870 La Sierra Ave., Suite 212, Riverside, CA 92505  
Phone (951) 515-3748 Fax (775) 599-4585  
EMERGENCY PHONE: CHEMTRC 800-424-9300 INFORMATION PHONE: (951) 515-3748  
DATE REVISED : 12-22-99 NAME OF PREPARER : Mark Gingerella  
REASON REVISED : FORMULATION CHANGE

=====**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**=====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER	mm Hg @	TEMP	
*METHYL AMYL KETONE	110-43-0	NOT ESTAB	50 PPM	100 PPM	2.1	68F	16
ACETONE	67-64-1	1000 PPM			11.6	68F	10
ISOPROPYL ALCOHOL	67-63-0	400 PPM	500 PPM		90.0	68F	10
*ALIPHATIC PETROLEUM DISTILLATES	64742-89-8	300 PPM	300 ppm		15.0	100F	7
MAGNESIUM SILICATE	14807-96-6		2 MG/M3		N/A		10
CELLULOSE NITRATE	9004-70-0				N/A		5
*DIOCTYL PHTHALATE	117-81-7	5 MG/M3	5 MG/M3		1.2	200F	3
*CYCLOHEXANONE	108-94-1	25 PPM			2.0	68F	1

\* Indicates toxic chemical(s) subject to the 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 RANGE: 133 to 724 Deg F SPECIFIC GRAVITY (H2O=1): 1.1  
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
MATERIAL V.O.C.: 3.38 LB/GL ( 405 G/L)  
SOLUBILITY IN WATER: ESSENTIALLY NIL.  
APPEARANCE AND ODOR: VISCOUS LIQUID WITH STRONG SOLVENT ODOR.

=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====

FLASH POINT: -4 Deg F METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.3% UPPER: 12.8%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

**SPECIAL FIREFIGHTING PROCEDURES**

APPROVED GAS MASK REQUIRED FOR FIRE FIGHTING PERSONEL. WATER MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS.  
IF WATER IS USED, FOG NOZZLES ARE PREFERRED.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAME.

## \*\*\*\*\* SECTION V - REACTIVITY DATA \*\*\*\*\*

**STABILITY: STABLE  
CONDITIONS TO AVOID**

FLAMES, SPARKS, SMOKING AND HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

CARBON MONOXIDE AND CARBON DIOXIDE.

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

## \*\*\*\*\* SECTION VI - HEALTH HAZARD DATA \*\*\*\*\*

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

BREATHING OF HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS, DIZZINESS, FATIGUE, FOLLOWED BY COMA.

**SKIN AND EYE CONTACT HEALTH RISKS 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 DERMITITIS. MAY BE ABSORBED THROUGH THE SKIN.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

PROLONGED OR REPEATED EXPOSURE CAN CAUSE MODERATE IRRITATION, DEFATTING, AND DERMITITIS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

ASPIRATION OF THIS PRODUCT INTO THE LUNGS MAY CAUSE PNEUMONITIS, PULMONARY EDEMA AND HEMORRAGE.

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 DISTURBANCES.

ASPIRATION OF THIS PRODUCT INTO THE LUNGS MAY CAUSE PNEUMONITIS, PULMONARY EDEMA AND HEMORRAGE.

**CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

INDIVIDUALS WITH PRE-EXISTING DISEASES IN OR HISTORY OF AILMENTS INVOLVING SKIN, CENTRAL NERVOUS SYSTEM, LIVER AND KIDNEY.

**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.

DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== 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 ATLEAST 24 HOURS OR UNTIL AREA HAS BEEN DECLARED SAFE.

WASTE DISPOSAL METHOD

USE INERT ABSORBENT MATERIALS ON SPILLS.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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 PVT, WITHOUT ADEQUATE VENTILATION.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW TLV(PBL), USE MSHA/NIOSH APPROVED UNITS.
USE UNITS PER CURRENT 29 CFR1910.134 AND FOLLOW MANUFACTURERS' INSTRUCTIONS AND WARNINGS.
IF WITHIN OSHA PROTECTION FACTOR, AIR PURIFYING CV/FILTER UNITS OK FOR USE.

VENTILATION

LOCAL AND MECHANICAL EXHAUST.

PROTECTIVE GLOVES

RUBBER GLOVES.

EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

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 =====

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, EXPRESS OR IMPLIED TO THE ACCURACY OF THE DOCUMENT.