

MATERIAL SAFETY DATA SHEET

JAN 29 1992

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RAABE CORPORATION
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FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
800-424-9300

INFORMATION TELEPHONE NO.: 414-255-9500

PREPARATION DATE: 01/28/92

REPLACES DATE: 05/28/91

PREPARER: BJB

SECTION I - PRODUCT IDENTIFICATION

EGA PRODUCTS DARK GRAY (09437ADF)
AEROSOL TOUCH UP PAINT
RAABE PART #: 33835

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	OCCUPATIONAL EXPOSURE LIMITS		SKIN DESIG- NATION	VAPOR PRESSURE mmHg 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
			(TLV-TWA)	(TLV-STEL)				
TOLUENE	108-88-3	35%	100 ppm	150 ppm	NO	22.0	NO	YES
METHYL ISOBUTYL KETONE	108-10-1	5%	50 ppm	75 ppm	NO	15.0	NO	YES
BARIUM SULPHATE	7727-43-7	20%	10 mg/m3	NO INFO	NO	0.0	NO	YES
DIISOBUTYL KETONE	108-83-8	10%	25 ppm	NO INFO	NO	2.4	NO	NO
2-PENTANONE	107-87-9	5%	200 ppm	250 ppm	NO	16.0	NO	NO
N-BUTANE	106-97-8	10%	800 ppm	NO INFO	NO	879.0	NO	NO
PROPANE	74-98-6	20%	1000 ppm	NO INFO	NO	5637.0	NO	NO
TITANIUM DIOXIDE	13463-67-7	5%	10 mg/m3	NO INFO	NO	0.0	NO	NO
XYLENE	1330-20-7	5%	100 ppm	150 ppm	NO	5.1	NO	YES

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372.

N.A. - NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING RANGE	: 31-300 F	VAPOR DENSITY	: IS HEAVIER THAN AIR
ODOR	: SOLVENT ODOR	EVAPORATION RATE	: UNKNOWN
APPEARANCE	: OPAQUE LIQUID	SOLUBILITY	: UNKNOWN
VOLATILE BY WEIGHT	: 69.2%	PRODUCT DENSITY	: 7.1 LBS./GAL. (U.S.)
VOLATILE BY VOLUME	: 83.3%		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:	FLASH POINT: < -25 F (TAGLIABUE CLOSED CUP)	LEL: 0.8 % UEL: 9.5 %
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OSHA - FLAMMABLE LIQUID - CLASS IA
DOT - FLAMMABLE GAS

EXTINGUISHING MEDIA: DRY CHEMICAL CARBON DIOXIDE FOAM

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR SOURCES OF HEAT, SPARKS OR OPEN FLAME. KEEP AWAY FROM ANY SOURCE OF HEAT SUCH AS SUNLIGHT, HEATERS OR STOVES THAT COULD CAUSE THE CONTAINER TO BURST. DO NOT PUNCTURE OR INCINERATE. DO NOT CRUSH OR PLACE IN A GARBAGE COMPACTOR. DO NOT STORE ABOVE 120 DEGREES F. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. PRODUCT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A LONG DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF VAPORS SHOULD BE USED. WATER SPRAY SHOULD NOT BE USED EXCEPT TO KEEP DOWN VAPORS OR COOL CLOSED CONTAINERS TO PREVENT BUILD-UP OF PRESSURE. IF WATER IS USED, FOG NOZZLES ARE PREFERRED.

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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: INHALATION: EXPOSURE TO HIGH CONCENTRATIONS OF VAPORS MAY CAUSE DIZZINESS, BREATHING DIFFICULTY, HEADACHES OR RESPIRATORY IRRITATION. EXTREMELY HIGH CONCENTRATIONS MAY CAUSE DROWSINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, COMA OR DEATH. HIGH CONCENTRATIONS OF VAPORS MAY BE IRRITATING TO THE THROAT AND LUNGS. SKIN CONTACT: MAY CAUSE SKIN IRRITATION. EYE CONTACT: MAY CAUSE EYE IRRITATION. INGESTION: MODERATELY TOXIC. MAY CAUSE STOMACH DISCOMFORT, NAUSEA, VOMITING, DIARRHEA, AND NARCOSIS. CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IN THIS MATERIAL HAS BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: KIDNEY DAMAGE, EYE DAMAGE, LUNG DAMAGE, LIVER DAMAGE, SPLEEN DAMAGE, ANEMIA, CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IS THIS PRODUCT HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER DAMAGE, CARDIAC ABNORMALITIES, KIDNEY DAMAGE, REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. RATS EXPOSED TO TITANIUM DIOXIDE DUST AT 250 MG/M3 DEVELOPED LUNG CANCER, HOWEVER, SUCH EXPOSURE LEVELS ARE NOT ATTAINABLE IN THE WORKPLACE WITH THIS MATERIAL.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: NONE GENERALLY RECOGNIZED.

PRIMARY ROUTE(S) OF ENTRY: INHALATION INGESTION DERMAL

EMERGENCY AND FIRST AID PROCEDURES: FOR INHALATION OVEREXPOSURE MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER AND SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. INGESTION: DO NOT INDUCE VOMITING. WHICH CAN CAUSE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CONTACT A PHYSICIAN IMMEDIATELY.

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SECTION VI - REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE, AND UNIDENTIFIABLE ORGANIC MATERIALS.

CONDITIONS TO AVOID: AVOID CONTACT WITH HEAT, SPARKS, AND OPEN FLAME.

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID HEAT, SPARKS, FLAMES AND ANYTHING WHICH COULD CAUSE FIRE. VENTILATE AREA OF SPILL AND ADJACENT LOW LYING AREAS. AVOID BREATHING SOLVENT VAPORS. REMOVE WITH INERT ABSORBANT MATERIALS AND NON-SPARKING TOOLS.

WASTE DISPOSAL METHOD: PLACE IN CLOSED CONTAINERS. DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED FOR ANY COMPONENT(SEE SECTION 2 FOR HAZARDOUS COMPONENTS AND EXPOSURE LIMITS), A NIOSH/OSHA APPROVED RESPIRATOR SUITABLE FOR COMPONENTS LISTED IS RECOMMENDED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S TLV LIMIT.

PROTECTIVE GLOVES: CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED IF CONTACT WITH THE EYES IS LIKELY.

OTHER PROTECTIVE EQUIPMENT: APPROPRIATE IMPERVIOUS CLOTHING IS RECOMMENDED IF PROLONGED OR REPEATED CONTACT IS LIKELY.

HYGENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR STORING MATERIALS SHOWN IN SECTION II. STORE IN A COOL PLACE AWAY FROM DIRECT SUNLIGHT OR ANY SOURCE OF IGNITION. DO NOT STORE AT TEMPERATURES ABOVE 120 DEGREES F.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THIS PRODUCT CAN BE HARMFUL OR FATAL.

SECTION X - HMIS RATINGS

HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0 PERSONAL PROTECTION: G

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.