

MATERIAL SAFETY DATA SHEET

MSDS - 01-064
Part Number - G600-133

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FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
TELEPHONE #: 800-424-9300

MSDS #: 54 PREPARATION DATE: 09/30/91 REPLACES DATE: NEW MSDS PREPARED BY: RMB

SECTION 1 - PRODUCT IDENTIFICATION

Marvel Metal

RAABE PT.# 30517-01

H2030 GRAY

ACRYLIC LACQUER AEROSOL TOUCH-UP PAINT

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	WT. % LESS THAN	OCCUPATIONAL EXPOSURE LIMITS (TLV-TWA) (TLV-STEL)	VAPOR PRESSURE mmHg @ 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313	
SILICON DIOXIDE	7631-86-9	5%	10 mg/m ³ (Total Dust)	0.0	NO	NO	
ACETONE	67-64-1	36%	750 ppm	181.7	NO	YES	
METHYL ETHYL KETONE	78-93-3	8%	200 ppm	71.0	NO	YES	
PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6	12%	NOT ESTABLISHED	3.8	NO	NO	
BUTYL BENZYL PHTHALATE	85-68-7	3%	5 mg/m ³	0.0	YES	YES	
TOLUENE	108-88-3	18%	100 ppm	22.0	NO	YES	
ALUMINUM FLAKE	7429-90-5	3%	10 mg/m ³ (TOTAL DUST)	0.0	NO	YES	
MINERAL SPIRITS	8052-41-3	2%	100 ppm	2.6	NO	NO	
TRIMETHYLBENZENE (MIXED ISOMERS)	25551-13-7	2%	25 ppm	2.0	NO	YES	
1,2,4 TRIMETHYLBENZENE	95-63-6	2%	25 ppm	341.0	NO	YES	
XYLENE	1330-20-7	2%	100 ppm	150 ppm	5.1	NO	YES
N-BUTANE	106-97-8	10%	800 ppm	879.0	NO	NO	
PROPANE	74-98-6	20%	1000 ppm	5637.0	NO	NO	
ACRYLIC POLYMER	-	13%	NOT HAZARDOUS	0.0	NO	NO	
NITROCELLULOSE	9004-70-0	2%	NOT ESTABLISHED	0.0	NO	NO	
ORGANIC & INORGANIC PIGMENTS	-	10%	NOT HAZARDOUS	0.0	NO	NO	

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

SECTION III - PHYSICAL DATA

BOILING RANGE: 31-464° F VAPOR DENSITY: HEAVIER THAN AIR SPECIFIC GRAVITY: .7500 - .7800
EVAPORATION RATE: > THAN N-BUTYL ACETATE VOLATILE BY VOLUME: 91.00 - 92.25% VOLATILE BY WEIGHT: 83.25 - 89.50%
ODOR: SOLVENT ODOR APPEARANCE: PIGMENTED LIQUID SOLUBILITY: UNKNOWN

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: FLAMMABLE LIQUID - 1A DOT: FLAMMABLE GAS LEL: 0.3% UEL: 12.8%
FLASH POINT: < -25° F (CALCULATED)

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, OR FOAM

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.

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. WHEN FIGHTING A FIRE INVOLVING ALUMINUM FLAKE, DO NOT USE A WATER STREAM OR HALOGENATED EXTINGUISHING AGENTS.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION, DERMAL

EFFECT OF ACUTE OVEREXPOSURE: INHALATION: EXPOSURE TO HIGH CONCENTRATIONS OF VAPORS MAY CAUSE DIZZINESS, BREATHING DIFFICULTY, HEADACHES OR RESPIRATORY IRRITATION. EXTREMELY HIGH CONCENTRATIONS MAY CAUSE DROWSINESS, TAGGERING, 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.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF CHRONIC OVEREXPOSURE: PROLONGED INHALATION OF DUSTS CONTAINING FREE SILICA MAY RESULT IN THE DEVELOPMENT OF A DISABLING PULMONARY FIBROSIS (LUNG DISEASE) KNOWN AS SILICOSIS. CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IN THIS PRODUCT HAS BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: KIDNEY DAMAGE, EYE DAMAGE, LUNG DAMAGE, LIVER DAMAGE, SPLEEN DAMAGE, ANEMIA, BRAIN DAMAGE. CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IN THIS PRODUCT HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER DAMAGE, CARDIAC ABNORMALITIES. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. REPEATED BREATHING OR SKIN CONTACT OF METHYL ETHYL KETONE MAY INCREASE THE POTENCY OF NEUROTOXINS SUCH AS HEXANE IF EXPOSURES OCCUR AT THE SAME TIME. PRODUCT CONTAINS BUTYL BENZYL PHTHALATE WHICH HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS.

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

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 AT LEAST 15 MINUTES. **SKIN CONTACT:** WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. **INGESTION:** SINCE THIS PRODUCT MAY CONTAIN MATERIALS WHICH CAN CAUSE LUNG DAMAGE IF ASPIRATED INTO THE LUNGS, THE DECISION WHETHER TO INDUCE VOMITING OR NOT MUST BE MADE BY A PHYSICIAN AFTER CAREFUL CONSIDERATION OF ALL MATERIALS INGESTED.

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. ALUMINUM FLAKE CAN REACT VIOLENTLY WITH HALOGENATED HYDROCARBONS INCLUDING HALOGENATED EXTINGUISHING AGENTS. ALUMINUM FLAKE CAN ALSO REACT WITH SOME ACIDS AND CAUSTIC SOLUTIONS.

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 ABSORBENT 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 II 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 EXPOSURE LIMIT OR ACGIH'S TLV LIMITS.

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

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

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

HYGIENIC 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

SECTION XI - DISCLAIMER

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.