

TEMPO PRODUCTS CO.**A PLASTI-KOTE CO., INC.**

1000 LAKE ROAD
 MEDINA, OHIO 44256
 1-330-725-4511

DATE PREPARED: 04/11/95

PRODUCT CLASS: AEROSOL SPRAY PAINT

SHIPPING NAME: CONSUMER COMMODITY

ORM-D INT'L UN NO. : 1950

NE = NONE ESTABLISHED

NA = NONE AVAILABLE

HAZARD RATING

4 = SEVERE
 3 = SERIOUS
 2 = MODERATE
 1 = SLIGHT
 0 = MINIMAL

HMIS

HEALTH 1
 FLAMMABILITY 4
 REACTIVITY 0
 PERSONAL
 PROTECTION E

NFPA

HEALTH 2
 FLAMMABILITY 4
 REACTIVITY 0
 OTHER --

SECTION II - HAZARDOUS INGREDIENTS

PRODUCT NAME :

MARINE ENGINE ENAMEL

INGREDIENT	CAS NUMBER	ACGIH TWA PPM	OSHA PEL PPM	OTHER TLV PPM	VAPOR PRESSURE mmHg at 20 C	PRODUCT#	PRODUCT#	PRODUCT#	PRODUCT#	PRODUCT#
						202, 203, 211, 216, 220, 224, 225, 231, 232, 233, 1355, 1356, 11-15, 11-18, 11-26, 6972, 6973	LEAD	ALUMINUM	METALLIC	PRIMER
						6978	% (wt)	% (wt)	% (wt)	% (wt)
ACETONE	67-64-1	750	1000	---	186	30-40	35-45	22-27	40-45	10-15
ALIPHATIC HYDROCARBON	64742-89-8	NE	NE	300	38					5-10
AROMATIC HYDROCARBON	64742-95-6	NE	NE	100	3	0-5				
ETHYL ACETATE	141-78-6	400	400	---	69	0-5				
ETHYL ALCOHOL	64-17-5	1000	1000	---	40	5-10	5-10			
ETHYL 3-ETHOXY PROPIONATE	763-69-9	NE	NE	50	.67	0-10	5-10		0-5	
ISOPROPYL ALCOHOL	67-63-0	400	400	---	33				0-5	
* LEAD CHROMATE	18454-12-1	.05mg/m3 as Pb as Cr					0-3			
METHYL ETHYL KETONE	78-93-3	200	200	---	70	0-5	0-5		0-5	
METHYL ISOBUTYL KETONE	108-10-1	50	100	---	16				10-15	
OXO ALCOHOL ESTER	88230-35-7	NE	NE	50	1.4				5-10	
PROPYLENE GLYCOL/ MONOMETHYL ETHER	107-8-2	100	100	-	8.0				0-5	
* TOLUENE	108-88-3	50	100	---	22				5-10	
* XYLENE	1330-20-7	100	100	---	5.1	5-10	5-10	33-38		30-35
PROPANE-ISOBUTANE MIXTURE	68476-86-8	NE	1000	---		23	23	23	19	25

* THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

BOILING RANGE: 133' - 331' F VAPOR DENSITY: Heavier Lighter than air
 MELTING POINT: Estimated min. 1500' F WEIGHT PER GALLON: 7.0 (PAINT)
 VAPOR PRESSURE: Unknown for products. SPECIFIC GRAVITY : (H2O= 1): < 1
 SOLUBILITY IN WATER: Slight to moderate EVAPORATION RATE: Faster Slower than ether.
 APPEARANCE AND ODOR: Typical solvent paint EVAPORATION RATE:
 PERCENT VOLATILE BY VOLUME: 80-90 (Butyl Acetate = 1) Section 1 products > 1
 See Section II for volatile, hazardous components. Propellants > 1 (Propellant faster)

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: IA FLASH POINT: 0° F (-18° C) TCC
 (EXTREMELY FLAMMABLE) UNIFORM FIRE CODE: LEVEL 3 AEROSOL (Propellant = -100° F)
 EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL LEL 1.0

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers may explode and/or autoignite when exposed to extreme heat, vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other locations distant from material handling point.

SPECIAL FIRE FIGHTING PROCEDURES:

Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable use self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

SECTION V - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION SKIN INGESTION EYES

CARCINOGENICITY: NTP IARC OSHA

*** LEAD CHROMATE IN PART NUMBERS INDICATED IN SECTION II ***SYMPTOMS OF OVEREXPOSURE:

ACUTE:
BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION.
EYE CONTACT - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA.
SKIN CONTACT - CAN CAUSE IRRITATION FOR SOME PERSONS.

CHRONIC: None known for product(s) in Section 1.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, SEVERE OVEREXPOSURE IN LABORATORY ANIMALS HAS ALSO CAUSED LIVER ABNORMALITIES AND DAMAGE TO KIDNEYS, LUNGS, AND SPLEEN, HEART AND ADRENALS. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS: Generally Aggravated By Exposure - Can cause respiratory and/or skin reaction.

FIRST AID:

EMERGENCY PROCEDURES:

1. IF BREATHED - REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING IS STOPPED, GIVE ARTIFICIAL RESPIRATION AND SEEK MEDICAL HELP.
2. IF IN EYES - FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.
3. IF SWALLOWED - DO NOT INDUCE VOMITING (ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE PNEUMONIC, WHICH CAN BE FATAL). KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION / POISON CONTROL CENTER.
4. IF ON SKIN - WASH WITH SOAP AND WATER OR VARIOUS HAND CLEANERS, AND WASH CLOTHING.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE STABLE HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

CONDITIONS TO AVOID: Heat, Sparks and open flame.

INCOMPATIBILITY (Materials to avoid): Avoid contact with strong oxidizing agents and heat.

HAZARDOUS DECOMPOSITION: May form toxic materials, carbon dioxide / carbon monoxide, various hydrocarbons, nitrogen compounds, etc., when burned.

CONDITIONS TO AVOID: Not applicable.

SECTION VII - SPILL OR LEAK PROCEDURES

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

ELIMINATE ALL IGNITION SOURCES, VENTILATE AREA, ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO A CLOSED CONTAINER.

WASTE DISPOSAL METHOD: MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE DEPOSITED IN A POSTED TOXIC SUBSTANCE LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT PUNCTURE OR INCINERATE. DO NOT STORE IN AREAS ABOVE 120° F, OR IN DIRECT SUNLIGHT, OR NEAR HEAT OR OPEN FLAMES.

OTHER PRECAUTIONS: NONE.

STORAGE CATEGORY: STORE LARGE QUANTITIES IN BUILDING PROTECTED FOR STORAGE OF FLAMMABLE LIQUIDS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: FOR CASUAL / OCCASIONAL USE - TO AVOID BREATHING VAPORS OR SPRAY MIST, OPEN WINDOWS AND DOORS OR USE OTHER MEANS TO ENSURE FRESH AIR ENTRY DURING APPLICATION AND DRYING. IF YOU EXPERIENCE EYE WATERING, HEADACHE, OR DIZZINESS, INCREASE FRESH AIR, WEAR RESPIRATORY PROTECTION (NIOSH/MSHA TC23C OR EQUIVALENT), OR LEAVE THE AREA.

VENTILATION: FOR REGULAR / CONTINUOUS USE - PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S IN SECTION II.

PROTECTIVE GLOVES: WEAR CHEMICAL RESISTANT GLOVES, SUCH AS NEOPRENE. IF SKIN CONTACT IS TO BE AVOIDED.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES, IN COMPLIANCE WITH OSHA REGULATIONS, ARE ADVISED.

OTHER EQUIPMENT: WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, SEEK THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST.

WORK/HYGIENIC PRACTICES: WASH HANDS BEFORE EATING OR USING WASHROOM. AS WITH ALL CHEMICALS, MINIMIZE PERSONAL CONTACT.

THE INFORMATION CONTAINED ABOVE IS BELIEVED TO BE ACCURATE. BUT IS NOT WARRANTED. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO CIRCUMSTANCES.

MSDS SHEET PREPARED BY :

DATE :