

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

000322

HEALTH	1
FLAMMABILITY	4
REACTIVITY	0
PERSONAL PROTECTIVE EQUIPMENT	B

Date Prepared

October 15, 1986

NE = NONE ESTABLISHED; NA = NONE AVAILABLE

Section I

MANUFACTURER'S NAME	PLASTI-KOTE COMPANY, INC.	EMERGENCY TELEPHONE NO.: (216) 725-4511
STREET ADDRESS	1000 LAKE RD.	INFORMATION TELEPHONE NO.: (216) 725-4511
CITY, STATE, AND ZIP CODE	MEDINA, OHIO 44256	PRODUCT CLASS AEROSOL SPRAY PAINT
IDENTITY		SHIPPING NAME CONSUMER COMMODITY ORM-D PAINT

TEMPO	7-2000	Dark Gray
	7-3000	Red Oxide
SANDABLE PRIMERS	7-4000	Plat. Gray

Section II — HAZARDOUS INGREDIENTS

INGREDIENT	C.A.S.No.	PERCENT (wt.)	ACGIH TLV		OSHA PEL (PPM)	Vapor Pressure mm Hg @ 20°C
			PPM	mg/M3		
Acetone	67-64-1	35-40	750	1780	1000	186
Isobutyl Acetate	110-19-0	< 5	150	700	150	12.8
Toluene	108-88-3	< 5	100	375	100	22
Methyl Ethyl Ketone	78-98-3	5-10	200	590	200	70
Diacetone Alcohol	123-42-2	< 5	50	240	50	0.8
Xylene	1330-20-7	< 5	100	435	100	5.1
PROPELLANT Propane Isobutane n-Butane mixture	74-98-6 75-28-5 106-97-8 Not req'd.	23	NE NE 800 Not req'd.	NE NE 1900 Not req'd.	1000 NE NE Not req'd.	Not req'd.
NON-HAZARDOUS INGREDIENTS Pigment Resin		14-16				

Section III — PHYSICAL DATA

BOILING RANGE 133°-331°F

VAPOR DENSITY HEAVIER LIGHTER THAN AIR

EVAPORATION RATE FASTER SLOWER THAN ETHER (propellant faster)

PERCENT VOLATILE BY VOLUME 85-90

WEIGHT PER GALLON 7.0-8.0 (paint)

Vapor Pressure (mm Hg) Unknown for products in Section I
See Section II for volatile, hazardous components

Specific Gravity (H₂O = 1) < 1
Melting Point Estimated min. 1500°F.

Solubility in Water Slight to Moderate

Evaporation Rate
(Butyl Acetate = 1) Section I products > 1
Propellants < 1

Appearance and Odor Typical solvent paint

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
(EXTREMELY FLAMMABLE)

OSHA IA
DOT Flammable Liquid

FLASH POINT: 0°F (-18°C)
(propellant = -100°F) LEL 1.0

Extinguishing Media "ALCOHOL" FOAM, CO₂, DRY CHEMICAL

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 IGNITION SOURCES AT 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-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE, 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

INGREDIENTS FOR PRODUCT(S) LISTED IN SECTION I ARE NOT FOUND IN THESE AGENCIES' LISTS.

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 I.

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. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Medical Conditions

Generally Aggravated By Exposure Can cause allergic 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 OCCASIONALLY HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
3. IF SWALLOWED — DO NOT INDUCE VOMITING (ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS, 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 BEFORE RE-USE.

Section VI — REACTIVITY DATA

STABILITY UNSTABLE STABLE CONDITIONS TO AVOID Heat, sparks, and open flame.

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

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

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR

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 STORE IN AREAS ABOVE 120 °F, OR IN DIRECT SUNLIGHT, OR NEAR HEAT OR OPEN FLAMES. DO NOT PUNCTURE OR INCINERATE.

OTHER PRECAUTIONS NONE.

DOL STORAGE CATEGORY STORE LARGE QUANTITIES IN BUILDINGS PROTECTED FOR STORAGE OF NEPA CLASS IC 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, HEADACHES, 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 PROTECTIVE EQUIPMENT WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST SHOULD BE SOUGHT.

WORK/HYGENIC PRACTICES Wash hands before eating or using washroom. As with all chemicals, minimize personal contact and breathing of vapors.

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FOR COATINGS, RESINS AND RELATED MATERIALS

Date Prepared

December 31, 1986

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FLAMMABILITY	4
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PERSONAL PROTECTIVE EQUIPMENT	B

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Tempo	#200	Chevrolet Orange
Engine Enamels	#206	Ford Red
	#209	Universal Red

Section II — HAZARDOUS INGREDIENTS

INGREDIENT	C.A.S.No.	PERCENT (wt.)	PPM	ACQIN TLV mg/M3	OSHA PEL (PPM)	Vapor Pressure mm Hg @ 20°C
Acetone	67-64-1	35-45	750	1750	1000	186.0
Xylene	1330-20-7	5-10	100	435	100	5.1
Ethyl Alcohol	64-17-5	5-10	1000	1900	1000	.9
Diacetone Alcohol	123-42-2	5-6	50	240	50	.8
Methyl Ethyl Ketone	78-93-3	<5	200	590	200	70.0
Lead Chromate as Chromate	18454-12-1	1.0	-	0.05	NE	NA
PROPELLANT						
Propane	74-88-6		NE	NE	1000	
Isobutene	75-28-8	23	NE	NE	NE	
n-Butane	106-97-8		800	1900	NE	
NON-HAZARDOUS INGREDIENTS		15-20	Not req'd.	Not req'd.	Not req'd.	Not req'd.

Section III — PHYSICAL DATA

BOILING RANGE 133°-331°F

VAPOR DENSITY HEAVIER LIGHTER THAN AIR

EVAPORATION RATE FASTER SLOWER THAN ETHER (propellant faster)

PERCENT VOLATILE BY VOLUME 85-90 WEIGHT PER GALLON 7.0-8.0 (paint)

Vapor Pressure (mm Hg) Unknown for products in Section I
See Section II for volatile, hazardous components

Specific Gravity (H₂O = 1) < 1
Melting Point Estimated min. 1500°F.

Solubility in Water Slight to Moderate

Evaporation Rate (Butyl Acetate = 1) Section I products > 1
Propellants < 1

Appearance and Odor Typical solvent paint

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: (EXTREMELY FLAMMABLE)	OSHA 1A DOT Flammable Liquid	FLASH POINT 0°F (-18°C) (propellant = -100°F)	LEL 1.0
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CONDITIONS TO AVOID Not applicable.

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FOR COATINGS, RESINS AND RELATED MATERIALS

HEALTH	1
FLAMMABILITY	4
REACTIVITY	0
PERSONAL PROTECTIVE EQUIPMENT	B

Date Prepared

November 11, 1986

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Section I

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CITY, STATE, AND ZIP CODE	MEDINA, OHIO 44256	PRODUCT CLASS AEROSOL SPRAY PAINT
IDENTITY	SHIPPING NAME CONSUMER COMMODITY ORM-D PAINT	
TEMPO	1100 Gloss Black 1108 Semi-Gl. White 1115 Med. Yellow 1130 Medium Gray	1102 Flat Black 1109 Gloss White 1117 Brite Orange 1132 Pacific Blue
ULTRA	1103 Semi-Gl. Black 1110 Red 1120 Brite Red 1134 Royal Blue	1105 Medium Gray 1112 Antique White 1123 Chest. Brown
ENAMELS	1106 Dove Gray 1113 New Yellow 1126 Lawn Green	1107 Flat White 1114 Sand 1128 Palm Green

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Section III — PHYSICAL DATA

BOILING RANGE 133°-331°F	VAPOR DENSITY <input checked="" type="checkbox"/> HEAVIER <input type="checkbox"/> LIGHTER THAN AIR
EVAPORATION RATE <input type="checkbox"/> FASTER <input checked="" type="checkbox"/> SLOWER THAN ETHER (propellant faster)	PERCENT VOLATILE BY VOLUME 85-90 WEIGHT PER GALLON 7.0-8.0 (paint)
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