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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Krylon Dept., Div of Borden Chemical, Borden Inc	EMERGENCY TELEPHONE NO. (215) 279-1953 or 279-1954
ADDRESS (Number, Street, City, State, and ZIP Code) Ford & Washington Sts., Norristown, Pa. 19404	
CHEMICAL NAME AND SYNONYMS n.a.	TRADE NAME AND SYNONYMS Krylon Spray Paint (this is an aerosol unit) 2101 11136 Following item numbers: 1501 through 2504 except does not apply to 1602, 1701, 2201, 2202.
CHEMICAL FAMILY n.a.	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Methyl Isobutyl Ketone	15	100 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Toluene	10	200 ppm	OTHERS		
Methylene Chloride*	10	500 ppm			
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
*See sections VI and IX ref: Pyrolysis products.		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n.a.	SPECIFIC GRAVITY (H_2O=1)	less than water
VAPOR PRESSURE (mm Hg.)	n.a.	PERCENT, VOLATILE BY VOLUME (%)	85%
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (BuAcetate =1)	greater than one
SOLUBILITY IN WATER	slight	Container is under internal pressure of about 60 pounds per square inch gauge at 70° F.	
APPEARANCE AND ODOR n.a.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) See attached page	FLAMMABLE LIMITS See attached page	Lel	Uel

EXTINGUISHING MEDIA Release spray button if spray is burning. If discharged content is burning, treat as Class B fire. Dry chemical preferred.

SPECIAL FIRE FIGHTING PROCEDURES
Normal Class B fire procedures.

UNUSUAL FIRE AND EXPLOSION HAZARDS If sprayed within 12 inches of open flame, spray may catch fire and burn like a blowtorch. (Not dangerous to unit; release spray button). If can is in a fire it will burst and release flammable content which should then be treated as a Class B fire.

(Continued on reverse side)

2/12/75

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Supplement to SECTION IV

Material Safety Data Sheet

KRYLON Spray Paint No. 1401 thru 2504

FLASH POINT

Because this product is a liquefied compressed gas, flammability cannot be determined or expressed by conventional flash point intended for classification of flammable liquids. Utilizing the flame projection test as described in 16CFR 1500.46 and the interpretation in 16CFR 1500.3(c)(6) (regulations under Federal Hazardous Substances Act) the product is classified as "Extremely Flammable contents of self-pressurized container." Utilizing the flame projection and drum tests as described and interpreted in 49CFR 173.300 (Hazardous Materials Regulations of the Department of Transportation) the product is classified as "Flammable Compressed Gas." These are the officially recognized methods for classifying flammability of aerosol products. Users should be aware of the following:

1. Spray may catch fire from an ignition source within 12 inches of actual spray. A "blowtorch" effect results. This is not harmful to the unit and will not cause it to explode. Simply releasing the spray actuator button extinguishes the flame.

2. In the manner of a low flash point paint, the films formed on a substrate by spraying give off flammable vapors during the drying period. Ignition sources should be kept away. The film is dry to touch in less than 10 minutes and releases only minor amounts of solvent after that time.

FLAMMABLE LIMITS

Actual lower and upper flammable limits are unknown. The following concentration of sprayed product which can be ignited has been determined empirically and is offered as a useful practical value:

Content of 5 thirteen ounce cans per 1000 cubic feet
or Content of 1 thirteen ounce can per 200 cubic feet
or 1.85 grams of content per cubic feet
or 2 seconds of spraying time per cubic foot

GVC

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Estimate 40 grams of can content per 1000 cu. ft. -- Calculated per Appendix C of ACGIH publication "Threshold Limit Values..."

EFFECTS OF OVEREXPOSURE
"Lightheaded, slight dizziness, groggy, headache.

EMERGENCY AND FIRST AID PROCEDURES
Get fresh air. If sprayed in eyes, wash with water.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*.

HAZARDOUS DECOMPOSITION PRODUCTS
Burning spray may produce some toxic and irritating chlorine compounds.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove sources of ignition. Soak up with absorbent material. Ventilate area. Material not dangerous when solvents have evaporated to dryness.

WASTE DISPOSAL METHOD
When dry, discard as non-dangerous trash to be buried or burned.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Ventilate adequately.

VENTILATION
Amount needed depends upon amount of product to be discharged in a given short period of time. Supplement natural ventilation as may be necessary to keep area below estimated threshold limit value. (Sect. V)

PROTECTIVE GLOVES	EYE PROTECTION
None	Not mandatory

OTHER PROTECTIVE EQUIPMENT
None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not store at temperatures over 120° F. Contents under pressure. Exposure to high temperature may cause bursting. Do not place can on radiator, stove, in direct sunlight, or near other heat source.

OTHER PRECAUTIONS
DO NOT INCINERATE: container will brust violently. DO NOT PUNCTURE; under pressure. If spray is burned do not breathe fumes. Use air pack to avoid pyrolysis products.

Prepared by: [signature] February 12, 1975 Form OSHA-20 Rev. May 72

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