U.S. DEPARTMENT OF LABOR K51686
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

McKeesport

MATERIAL SAFETY DATA SHEET

1178C $120 → $124
181

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

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Krylon Dept., Div of Borden Chemical, Borden Inc	(215) 278-2400 or 278-2456

ADDRESS (Number, Street, City, State, and ZIP Code)
Ford & Washington Sts., Norristown, PA 19404

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
n.a.	SPARVAR Spray Paint (this is an aerosol unit)
CHEMICAL FAMILY: n.a.	Following item numbers: S-120, S-121, S-122, S-123, S-124

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Aluminum, Copper, or Brass(copper & zinc) flake	2-7		BASE METAL		
CATALYST			ALLOYS		
VEHICLE Acrylic Ester Resin	5-7		METALLIC COATINGS		
SOLVENTS Toluene	36-48	100 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Methylene Chloride	23-25	200 ppm			
Propane	18	1000 ppm	OTHERS		
OTHERS Acetone	0-10	1000 ppm			

* HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n.a.	SPECIFIC GRAVITY (H2O=1)	less than water
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	87 to 93
VAPOR DENSITY (AIR=1)	greater than one	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)	FLAMMABLE LIMITS	Lel	Uel
See attached page	See attached page		

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)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not applicable --- Mixture

EFFECTS OF OVEREXPOSURE: Dizzy, confusion, weakness

EMERGENCY AND FIRST AID PROCEDURES: Get fresh air. If sprayed in eyes, wash with water 15 minutes.

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 threshold limit value of each ingredient.

PROTECTIVE GLOVES: Not needed

EYE PROTECTION: Desirable; not mandatory

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store at temperatures over 120° F. Contents under pressure and exposure to high temperature may cause bursting. Avoid radiators, stoves, direct sunlight, or other heat source.

OTHER PRECAUTIONS: Incineration will cause container to burst violently. Avoid incineration or use only a strong, closed incinerator. Avoid puncturing; content will escape rapidly. If spray is burned, do not breathe fumes as they may be toxic and irritating.

Prepared by: January 12, 1981

GPO 930-540

Form OSHA-20
Rev. May 72

Supplement to SECTION IV

Material Safety Data Sheet

SPARVAR Spray Paint S-100 thru S-181

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 foot
or 2 seconds of spraying time per cubic foot

GVC