

*McKelvey*

# MATERIAL SAFETY DATA SHEET

117BC \$120  
→ \$124  
181

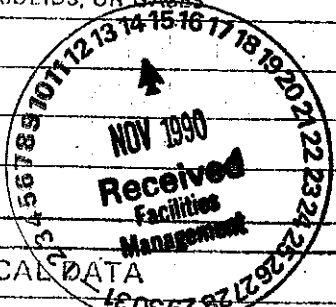
Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME Krylon Dept., Div of Borden Chemical, Borden Inc		EMERGENCY TELEPHONE NO. (215) 278-2400 or 278-2456
ADDRESS (Number, Street, City, State, and ZIP Code) Ford & Washington Sts., Norristown, PA 19404		
CHEMICAL NAME AND SYNONYMS n.a.	TRADE NAME AND SYNONYMS 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	OTHERS			
OTHERS Propane	18	1000 ppm				
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 (70° F.)	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)	See attached page	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Release spray button if spray is burning. If discharged content is burning, treat as Class B fire. Dry chemical preferred.	See attached page		
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.				

**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

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

Burning spray may produce some toxic and irritating chlorine compounds.

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

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**

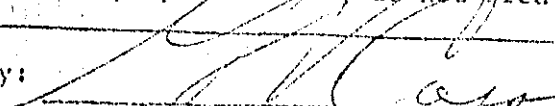
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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.

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Prepared by: 

January 12, 1981

Form OSHA-20

Rev. May 77

**DISCLAIMER**

THIS SHEET IS NOT PART OF ANY CONTAINER OF SALE. The information contained herein is believed to be correct or is obtained from sources to be generally reliable. However, it is the responsibility of the user of these materials to investigate, understand and comply with the instructions on the safe handling and use of these materials. Boston, MA 02108

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