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

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DPM 6023

# MATERIAL SAFETY DATA SHEET

Spray Unit, Aerosol Siphon

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

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: PRECISION VALVE CORP. | EMERGENCY TELEPHONE NO. |
| ADDRESS (Number, Street, City, State, and ZIP Code): P.O. BOX 309, YONKERS, N. Y. 10703 | |
| CHEMICAL NAME AND SYNONYMS: Does not apply! | TRADE NAME AND SYNONYMS: PREVAL POWER UNIT |
| CHEMICAL FAMILY: Paint Sprayer cont. fluorocarbon gas | FORMULA: Does not apply! |

## SECTION II HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|---|---|---|---|
| PIGMENTS None | | | BASE METAL | | |
| CATALYST " | | | ALLOYS | | |
| VEHICLE " | | | METALLIC COATINGS | | |
| SOLVENTS " | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES " | | | OTHERS | | |
| OTHERS " | | | | | |

| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | % | TLV (Units) |
|---|---|---|
| Preval paint sprayers contain 100% Dichlorodifluoromethane (formula = $CCl_2F_2$ - Trade names = (Freon 12-Propellant 12, etc.) in the form of a liquified gas. At room temperature these units are at 70-75 psiq. pressure. Data in Sections III to IX refers to the liquified propellant. | | |

## SECTION III PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT (°F.) at 1 atmosphere | -21.6°F | SPECIFIC GRAVITY ($H_2O$=1) (liquid dens.30°C) | 1.292 |
| VAPOR PRESSURE (mm Hg.) at 70°F | 70.2 ps | PERCENT VOLATILE BY VOLUME (%) Nominal | 100.% |
| VAPOR DENSITY (AIR=1) at boiling point | 6.33 G/L | EVAPORATION RATE (_____=1) | |
| SOLUBILITY IN WATER at 25°C & 1 atmos. | 0.028% | | |

APPEARANCE AND ODOR Vapor: Colorless & below volumes of 20%, odorless; above 20%, slight odor.

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|---|---|
| FLASH POINT (Method used) Non-flammable | FLAMMABLE LIMITS | Lel | Uel |

EXTINGUISHING MEDIA

SPECIAL FIRE FIGHTING PROCEDURES: Fire temperatures will raise the internal pressure of Preval until unit ruptures, high temperature decomposition of vapors (e.g. in presence of a fire) will produce hydrofluoric & hydrochloric acids & smaller amounts of phosgene gas.

UNUSUAL FIRE AND EXPLOSION HAZARDS



(Continued on reverse side)

Form OSHA-20
Rev. April 72

BOE-C6-0225064

MAY 11 1981

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Underwriter's Lab classification-Group 6/1968ACGIH threshold limit-1,000 p.p.m.

EFFECTS OF OVEREXPOSURE
above 20% (by volume) concentration in air, some phsiological action due to oxygen deficiency. Vapors are virtually non-toxic.

EMERGENCY AND FIRST AID PROCEDURES
For inhalation treatment, remove personnel to fresh air. Oxygen therapy for inhalatic treatment may be used. Note: Epinephrine & similar drugs are contraindicated for inhalation treatment.

## SECTION VI REACTIVITY DATA

| STABILITY | | | CONDITIONS TO AVOID |
|---|---|---|---|
| Excellent | UNSTABLE | | |
| | STABLE | X | No special handling |

INCOMPATABILITY (Materials to avoid) None

HAZARDOUS DECOMPOSITION PRODUCTS None

| 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 Vapors are heavier than air & tend to accumulate near the floor. Forced air ventilation will dissipate vapors rapidly with no hazard.

WASTE DISPOSAL METHOD No special procedures

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) No special precautions necessary

| VENTILATION | LOCAL EXHAUST | SPECIAL |
|---|---|---|
| X | MECHANICAL (General) Ventilated work areas recommended | OTHER |

PROTECTIVE GLOVES (vapor) None necessary

EYE PROTECTION (vapor) None necessary

OTHER PROTECTIVE EQUIPMENT None

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not store Preval Units at above 120°F

Do not incinerate used units.

OTHER PRECAUTIONS
Spraying units inverted will release liquid freon. Skin contact with the liquid can cause frostbite due to cooling by rapid evaporation.



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