| | |
|---|---|
| Health | 2 |
| Flammability | 4 |
| Reactivity | 0 |
| Personal Protection | B |

HMIS Ratings

# BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

| | |
|---|---|
| Health | 2 |
| Flammability | 4 |
| Reactivity | 0 |
| Specific Hazard | |

NFPA Ratings

## SECTION I

| | |
|---|---|
| PRODUCT NAME **GASKET DECAL & PAINT REMOVER** | BOWMAN PART NO. **19475** (page 1 of 2) |
| SUPPLIER **Bowman Distribution, Barnes Group Inc.** | EMERGENCY TELEPHONE NO. **(216) 391-7200** |
| ADDRESS **850 East 72nd Street, Cleveland, OH 44103** | DATE **1/22/90** |
| HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) **Consumer Commodity ORM-D UN-1954** | |
| ADDITIONAL HAZARD CLASSES (as applicable) **None** | |
| CHEMICAL FAMILY **Mixture** | FORMULA **TM-1206B** |

## SECTION II - HAZARDOUS INGREDIENTS

| CAS REGISTRY NUMBER | %W | %V | CHEMICAL NAME(S) | OSHA PEL | ACGIH TLV | STEL Other Limits | Listed as Carcinogen NTP, IARC or OSHA 1910(z) (specify) |
|---|---|---|---|---|---|---|---|
| 75-09-2 | 66 | | *Methylene Chloride | 500 | 50 | N.E. | Yes |
| 67-56-1 | 6 | | *Methyl Alcohol | 200 | 200 | 250 | No |
| 74-98-6 | 18 | | Propane/Isobutane | 1000 | 1000 | Asphyxiant | No |
| | 10 | | Non-Hazardous | | | | |
| | | | | | | | |

**The acceptable ceiling concentration for Methylene Chloride is 1000 ppm. The acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 2000 ppm for 5 minutes in any 2 hours for Methylene Chloride.**

**This product will cause redness to the skin and severe burning of the eyes. Wear non-porous gloves and safety glasses while using.**

***ALL CHEMICAL COMPOUNDS MARKED WITH AN ASTERISK (*) ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.**

## SECTION III - PHYSICAL DATA

| | | | | | |
|---|---|---|---|---|---|
| BOILING POINT **-40°F - 150** °F _____ °C | | SPECIFIC GRAVITY ($H_2O$ = 1) | 1.2 | | |
| VAPOR PRESSURE **42** @ **70** °F ____ °C ☐ mm Hg ☒ psi | | PERCENT VOLATILE BY VOLUME (%) | 100 | PERCENT SOLID BY WEIGHT (%) | N.A. |
| VAPOR DENSITY (AIR = 1) **Heavier than air.** | 4.0 | EVAPORATION RATE ( = 1) **Butyl Acetate** | >1 | | |
| SOLUBILITY IN WATER | NIL | PH = | N.A. | | |
| APPEARANCE AND ODOR **Clear/Solvent odor** | | | | MATERIAL IS: **LIQUID & GAS** | |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT | method used | FLAMMABLE LIMITS | LEL | UEL |
|---|---|---|---|---|
| **-40°** °F _____ °C | **T.C.C.** | | **1.8** | **12.0** |

EXTINGUISHING MEDIA
**Use water fog, dry chemical or carbon dioxide.**

SPECIAL FIRE FIGHTING PROCEDURES
**Aerosol cans may rupture when heated.**

UNUSUAL FIRE AND EXPLOSION HAZARDS
**Heated cans may burst.**

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N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

## SECTION V - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE AND CHRONIC – INCLUDE TARGET ORGAN EFFECTS)
**May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Methylene Chloride will have an affect on cardiovascular system. High concentrations of Methylene Chloride vapor over long periods of time (years) have produced tumors in laboratory animals.**

CONDITIONS TO AVOID
**See above.**

SIGNS AND SYMPTOMS OF OVEREXPOSURE
**Inhalation - difficulty in breathing. Skin redness. Ingestion - vomiting.**

PRIMARY ROUTES OF ENTRY Inhalation [X] Skin Contact [X] Other (specify)
**Ingestion**

EMERGENCY AND FIRST AID PROCEDURES
**Give oxygen - do not induce vomiting. Gastric lavage. Wash eyes and skin with water.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
**Heart disease, respiratory disorders.**

## SECTION VI - REACTIVITY DATA

| | | | |
|---|---|---|---|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | **High temperatures** |

INCOMPATIBILITY (materials to avoid)
**Methylene Chloride will react with active metals. The above solvents are incompatible with strong oxidizers.**

HAZARDOUS DECOMPOSITION PRODUCTS:
**In fire will decompose to carbon dioxide and water, halogen and phosgene.**

| | | | |
|---|---|---|---|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | **None** |

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
**Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.**

WASTE DISPOSAL METHOD
**Dispose as hazardous waste in accordance with EPA RCRA**

CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.)
**N.E.**

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)
**D-001**

| | | |
|---|---|---|
| VOLATILE ORGANIC COMPOUND (VOC) as packaged, minus water) **100%** | [X] | Theoretical **8.7** lb/gal |
| | [ ] | Analytical _____ lb/gal |

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)
**Self contained breathing apparatus if TLV limit is exceeded.**

| | | |
|---|---|---|
| VENTILATION | LOCAL EXHAUST (specify rate) **Provide sufficient ventilation to maintain exposure below TLV.** | SPECIAL **None** |
| | MECHANICAL (general) (specify rate) **None** | OTHER **None** |

| | |
|---|---|
| PROTECTIVE GLOVES (specify type) **None required if spraying.** | EYE PROTECTION (specify type) **Wear eye protection.** |

OTHER PROTECTIVE EQUIPMENT
**Long sleeves and long pants.**

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
**Keep away from heat, sparks or open flame. Store at temperatures below 120°F.**

OTHER PRECAUTIONS
**None**



N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

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Emergency Telephone No. (216) 391-7200
1-22-90