



Barnes Distribution

1301 E. 9th Street, #700
Cleveland OH 44114
(800) 726-9626



Material Safety Data Sheet

MSDS Form No. : MSDS19475

Item No. : 19475

**** MATERIAL SAFETY DATA SHEET ****

GASKET DECAL AND PAINT REMOVER

Part # MSDS19475

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: GASKET DECAL AND PAINT REMOVER

Product CAS: (none)

Product Code:

Synonyms: 19475; GASKET DECAL AND PAINT REMOVER

Company Identification:

Name: BOWMAN DISTRIBUTION

Address: 1301 E. 9TH ST., ST. 700

Address:

City: CLEVELAND State: OH Zip: 44114

For information, call: HEALTH AND TECHNICAL CONTACTS: HEALTH ISSUES AND TECHNICAL INFORMATION

(8AM-5PM ET): 1-216-416-7200 X 5860

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY): 1303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 1/1/2003

Supersedes Date: 8/22/2000

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
PROPANE	7498-6	16	16
BUTANE	10697-8	14	14
MINERAL SPIRITS	6474288-7	1	1
METHYLENE CHLORIDE	7509-2	67	67
2-PROPANOL	6756-1	9	9
ETHANOLAMINE	14143-5	1	1

Miscellaneous:

INGREDIENT	OSHA PEL	ACGIH TLV	STEL
PROPANE	1000 PPM	2500 PPM	-
BUTANE	800 PPM	800 PPM	-
MINERAL SPIRITS	100	100	-
METHYLENE CHLORIDE	25 PPM	50 PPM	125 PPM
2-PROPANOL	400 PPM	400 PPM	500 PPM

ETHANOLAMINE

3 PPM

3 PPM

6 PPM

Lbs of VOC per Gallon Coating (minus water): 2.31

Coating Density (lbs/gal): 0

Solvent Density (lbs/gal): 0

Percent Solvent (volume): 0

Percent Solids (volume): 0

Percent Water (volume): 0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

NFPA: Health: Fire: Reactivity: Other:

HMIS: Health: 3 Fire: 4 Reactivity: 0 Special Protection: *

Miscellaneous:

HMIS AND NFPA HAZARD RATINGS:

HMIS / NFPA

ACUTE HEALTH: 3 / N.D.

FLAMMABILITY: 4 / N.D.

REACTIVITY: 0 / N.D.

PERSONAL PROT.: *

SPECIFIC HAZ.: N.D.

*REFER TO SECTION 8.

POTENTIAL HEALTH EFFECTS

Target Organs:

PRIMARY ROUTES OF EXPOSURE: EXPOSURE BY INHALATION AND/OR SKIN OR EYE CONTACT, DEPENDING ON

CONDITIONS OF USE. TO MINIMIZE EXPOSURE, FOLLOW RECOMMENDATIONS FOR PROPER USE, VENTILATION,

AND PERSONAL PROTECTIVE EQUIPMENT.

Eye:

SEE "MISCELLANEOUS" BELOW.

Skin:

SEE "MISCELLANEOUS" BELOW.

Ingestion:

Inhalation:

SEE "MISCELLANEOUS" BELOW.

Miscellaneous:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: CARDIOVASCULAR PROBLEMS MAY BE AGGRAVATED BY OVEREXPOSURE TO METHYLENE CHLORIDE.

ACUTE HEALTH HAZARDS - EFFECTS OF EXPOSURE:

IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME

OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. OVEREXPOSURE TO METHYLENE CHLORIDE CAN RAISE LEVEL OF CARBON MONOXIDE IN THE BLOOD.

CHRONIC HEALTH HAZARDS:

METHYLENE CHLORIDE IS LISTED BY IARC, NTP AND OSHA. LABORATORY ANIMALS EXPOSED TO HIGH

LEVELS

OF METHYLENE CHLORIDE IN LIFETIME STUDIES HAVE DEVELOPED CANCER. THERE IS NO EVIDENCE TO DATE

THAT METHYLENE CHLORIDE CAUSES CANCER IN HUMANS. PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS

IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, CARDIOVASCULAR, AND NERVOUS SYSTEMS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT

BRAIN AND NERVOUS SYSTEM DAMAGE.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE

INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS. REDNESS AND ITCHING OR BURNING

SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

**** SECTION 4 - FIRST AID MEASURES ****

Eye:

FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

Skin:

WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE.

Ingestion:

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GIVE CONSCIOUS PATIENT SEVERAL GLASSES OF WATER. IF VOMITING IS NOT SPONTANEOUS, INDUCE VOMITING BY HAVING THE PATIENT GENTLY TOUCH THE BACK OF HIS THROAT WITH A FINGER. KEEP AIRWAY CLEAR. SEEK MEDICAL ATTENTION.

Inhalation:

IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:

ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION

Special Fire Fighting Procedures:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Extinguishing Media:

DRY CHEMICAL, FOAM, CARBON DIOXIDE.

Flash Point:
AND METHOD: LT 0 F. TCC.

Flammable Limits:
Lower Limit:
(%): LEL: 1.0
Upper Limit:
(%): UEL: 12.7

AutoIgnition Temperature:

General Information:

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Disposal:

WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 40 CFR 261. WASTE MUST BE TESTED FOR IGNITABILITY TO DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS. DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING POLLUTION.

Spills/Leaks:

REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE EXPLOSIVELY. DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED. DO NOT SMOKE. EXTINGUISH ALL FLAMES, PILOT LIGHTS, AND HEATERS. TURN OFF STOVES, ELECTRIC TOOLS AND APPLIANCES AND ANY OTHER SOURCES OF IGNITION. CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE, OR EXPOSE TO TEMPERATURES ABOVE 120 F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

Storage:

SEE "HANDLING" ABOVE.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

VENTILATION: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

Eyes:

WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDE SHIELDS

Skin:

FOR INTERMITTENT EXPOSURE, WEAR VITON OR NITRILE GLOVES RECOMMENDED BY GLOVE MANUFACTURER FOR PROTECTION AGAINST MATERIALS IN SECTION II. FOR IMMERSION, WEAR PVA GLOVES RECOMMENDED BY GLOVE MANUFACTURER.

Clothing:

Respirators:

AIR SUPPLIED RESPIRATOR MUST BE WORN, UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIS CONCENTRATIONS ARE BELOW PERMISSIBLE LIMITS. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance/Odor:

CLEAR/SOLVENT

pH: N.A.

Vapor Pressure: SEE "MISCELLANEOUS" BELOW.

Vapor Density: (AIR = 1): GT 1 HEAVIER THAN AIR.

Evaporation Rate: (ETHER = 1): GT 1

Viscosity: N.D.

Boiling Point: -40 TO 148 F

Freezing/Melting Point: MELTING POINT: NOT AVAILABLE

Decomposition Temperature:

Solubility: IN WATER: N.A.

Specific Gravity: .9

Molecular Formula:

Molecular Weight: PRODUCT WEIGHT: 8.22 LB/GAL, 984 G/L

Miscellaneous:

VAPOR PRESSURE:

INGREDIENTS	VAPOR PRESSURE
PROPANE	760
BUTANE	760
MINERAL SPIRITS	2
METHYLENE CHLORIDE	420
2-PROPANOL	33
ETHANOLAMINE	0.5

VOC (% BY WT.): 28.15 %, 2.31 LB/GAL, 277 G/L

VOC BY VOLUME: 98 %

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

STABLE.

Conditions to Avoid:

Incompatibilities with Other Materials:

NONE KNOWN.

Hazardous Decomposition Products:
BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE AND HYDROGEN CHLORIDE.

Hazardous Polymerization:
WILL NOT OCCUR.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Toxicological Information:
CARCINOGENICITY:
METHYLENE CHLORIDE: IARC, NTP, OSHA.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecological Information:
NO DATA AVAILABLE.

**** SECTION 13 - OTHER PRECAUTIONS ****

Other Precautions:
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL
OR
FATAL.

Work/Hygienic Practices:
PRECAUTIONS TO BE TAKEN IN USE: BEFORE INITIAL USE, CONSULT OSHA'S STANDARD FOR
OCCUPATIONAL
EXPOSURE TO METHYLENE CHLORIDE (29 CFR 1910.1052). USE ONLY WITH ADEQUATE VENTILATION.
AVOID
OBREATHING VAPOR AND SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. WASH HANDS AFTER
USING.

**** SECTION 14 - TRANSPORT INFORMATION ****

Transportation Information:
DOT SHIPPING NAME: CONSUMER COMMODITY.

HAZARD CLASS OR DIVISION: ORM-D.

CARTON MARKINGS: CONSUMER COMMODITY.

IDENTIFICATION NUMBER: NONE.

PACKING GROUP: NONE

LABELS: ORM-D (RECTANGULAR).

TDG CLASSIFICATION: AEROSOLS, CLASS 2.1, UN 1950.

Label Information:

**** SECTION 15 - REGULATORY INFORMATION ****

Regulatory Information:

TSCA STATUS: ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.

WHMIS CLASSIFICATION (CANADA): CLASS A, CLASS B DIV. 5, CLASS D DIV. 2A/2B

SARA TITLE III:

HAZARD CATEGORIES:

ACUTE HEALTH: YES

CHRONIC HEALTH: YES

FIRE HAZARD: YES

PRESSURE HAZARD: YES

REPORTABLE INGREDIENTS:

SECTION 302/303: NONE.

SECTION 313: METHYLENE CHLORIDE.

CERCLA RQ: 1,000 LBS. (METHYLENE CHLORIDE).

CALIFORNIA PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

HAZARDOUS AIR POLLUTANTS (HAPS) CAA SECTION 112: METHYLENE CHLORIDE.

**** SECTION 16 - ADDITIONAL INFORMATION ****

Additional Information:

N.A.=NOT APPLICABLE

N.D.=NOT DETERMINED

N.E.=NOT ESTABLISHED

REVISION SUMMARY: PREPARED AUGUST 22, 2000.