



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



Material Safety Data Sheet

MSDS Form No. : 005300
Item No. : BD1031
MATERIAL SAFETY DATA SHEET

BD1031

02 00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NUMBER: BD1031

PRODUCT NAME: CARB & CHOKE CLEANER

MANUFACTURER'S NAME:
MFG. FOR:
BARNES DISTRIBUTION
1301 EAST 9TH ST.
SUITE 700
CLEVELAND, OH 44114-1824

TELEPHONE NUMBERS AND WEBSITES:

PRODUCT INFORMATION: (866) 438-6767

REGULATORY INFORMATION: (216) 566-2902

MEDICAL EMERGENCY: (303) 739 1178

TRANSPORTATION EMERGENCY: (800) 424-9300

FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT)

DATE OF PREPARATION: 14-JAN-08

HMIS CODES:
HEALTH 3*
FLAMMABILITY 2
REACTIVITY 0

-----SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS -----

% BY WT	CAS NO.	INGREDIENT	UNITS	VAPOR PRESSURE
8	74-98-6	PROPANE ACGIH TLV: 2500 PPM OSHA PEL: 1000 PPM		760 MM
7	106-97-8	BUTANE ACGIH TLV: 800 PPM OSHA PEL: 800 PPM		760 MM
62	75-09-2	METHYLENE CHLORIDE ACGIH TLV: 50 PPM OSHA PEL: 25 PPM OSHA PEL: 125 PPM STEL		420 MM
11	108-88-3	TOLUENE		22 MM

ACGIH TLV: 20 PPM
 OSHA PEL: 100 PPM (SKIN)
 OSHA PEL: 150 PPM (SKIN) STEL

1	100-41-4	ETHYLBENZENE	7.1 MM
		ACGIH TLV: 100 PPM	
		ACGIH TLV: 125 PPM STEL	
		OSHA PEL: 100 PPM	
		OSHA PEL: 125 PPM STEL	
8	1330-20-7	XYLENE	5.9 MM
		ACGIH TLV: 100 PPM	
		ACGIH TLV: 150 PPM STEL	
		OSHA PEL: 100 PPM	
		OSHA PEL: 150 PPM STEL	
3	67-56-1	METHANOL	92 MM
		ACGIH TLV: 200 PPM (SKIN)	
		ACGIH TLV: 250 PPM (SKIN) STEL	
		OSHA PEL: 200 PPM (SKIN)	
		OSHA PEL: 250 PPM (SKIN) STEL	

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

ROUTES OF EXPOSURE:

INHALATION OF VAPOR OR SPRAY MIST.
 EYE OR SKIN CONTACT WITH THE PRODUCT, VAPOR OR SPRAY MIST.

EFFECTS OF OVEREXPOSURE:

EYES: IRRITATION.
 SKIN: PROLONGED OR REPEATED EXPOSURE MAY CAUSE IRRITATION.
 INHALATION: IRRITATION OF THE UPPER RESPIRATORY SYSTEM.

MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH.

PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, CARDIOVASCULAR, NERVOUS AND REPRODUCTIVE SYSTEMS.

OVEREXPOSURE TO METHYLENE CHLORIDE CAN RAISE THE LEVEL OF CARBON MONOXIDE IN THE BLOOD.

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.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

CARDIOVASCULAR PROBLEMS MAY BE AGGRAVATED BY OVEREXPOSURE TO METHYLENE CHLORIDE.

CANCER INFORMATION:

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

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

EYES:

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 LAUNDER BEFORE RE-USE.

INHALATION:

IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING.

KEEP WARM AND QUIET.

INGESTION:

DO NOT INDUCE VOMITING.
GET MEDICAL ATTENTION IMMEDIATELY.

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

FLASH POINT:

PROPELLANT: <0 F

LEL: 1.0

UEL: 36.5

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REMOVE ALL SOURCES OF IGNITION. VENTILATE THE AREA.
REMOVE WITH INERT ABSORBENT.

-----SECTION 7 - HANDLING AND STORAGE -----

STORAGE CATEGORY: NOT AVAILABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

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 TEMPERATURE ABOVE 120F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

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 CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPOR AND SPRAY MIST.
WASH HANDS AFTER USING.

VENTILATION:

LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO
MATERIALS IN SECTION 2 IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.
REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION:

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

PROTECTIVE GLOVES:

FOR INTERMITTENT EXPOSURE, WEAR VITON OR NITRILE GLOVES RECOMMENDED BY GLOVE
MANUFACTURER FOR PROTECTION AGAINST MATERIALS IN SECTION 2. FOR IMMERSION,
WEAR PVA GLOVES RECOMMENDED BY GLOVE MANUFACTURER.

EYE PROTECTION: WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

OTHER PRECAUTIONS:

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

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

PRODUCT WEIGHT:

8.12 LB/GAL
972 G/L

SPECIFIC GRAVITY: 0.98

BOILING POINT:

<0 - 292 F
<-18 - 144 C

MELTING POINT: NOT AVAILABLE

VOLATILE VOLUME: 100%

EVAPORATION RATE: FASTER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR

SOLUBILITY IN WATER: N.A.

VOLATILE ORGANIC COMPOUNDS (VOC THEORETICAL - AS PACKAGED):

VOLATILE WEIGHT 38.40% LESS WATER AND FEDERALLY EXEMPT SOLVENTS

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

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:

BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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

CHRONIC HEALTH HAZARDS:

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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.

ETHYLBENZENE IS CLASSIFIED BY IARC AS POSSIBLY CARCINOGENIC TO HUMANS (2B) BASED ON INADEQUATE EVIDENCE IN HUMANS AND SUFFICIENT EVIDENCE IN LABORATORY ANIMALS. LIFETIME INHALATION EXPOSURE OF RATS AND MICE TO HIGH ETHYLBENZENE CONCENTRATIONS RESULTED IN INCREASES IN CERTAIN TYPES OF CANCER, INCLUDING KIDNEY TUMORS IN RATS AND LUNG AND LIVER TUMORS IN MICE. THESE EFFECTS WERE NOT OBSERVED IN ANIMALS EXPOSED TO LOWER CONCENTRATIONS. THERE IS NO EVIDENCE THAT ETHYLBENZENE CAUSES CANCER IN HUMANS.

TOXICOLOGY DATA:

CAS NO.	INGREDIENT NAME
74-98-6	PROPANE LC50 RAT 4HR: NOT AVAILABLE LD50 RAT: NOT AVAILABLE
106-97-8	BUTANE LC50 RAT 4HR: NOT AVAILABLE LD50 RAT: NOT AVAILABLE
75-09-2	METHYLENE CHLORIDE LC50 RAT 4HR: NOT AVAILABLE LD50 RAT: 1600 MG/KG
108-88-3	TOLUENE LC50 RAT 4HR: 4000 PPM LD50 RAT: 5000 MG/KG
100-41-4	ETHYLBENZENE LC50 RAT 4HR: NOT AVAILABLE LD50 RAT: 3500 MG/KG
1330-20-7	XYLENE LC50 RAT 4HR: 5000 PPM LD50 RAT: 4300 MG/KG
67-56-1	METHANOL LC50 RAT 4HR: 64000 PPM LD50 RAT: 5630 MG/KG

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

ECOTOXICOLOGICAL INFORMATION: NO DATA AVAILABLE.

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL METHOD:

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/PROVINCIAL, AND LOCAL REGULATIONS REGARDING POLLUTION.

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

US GROUND (DOT):

MAY BE CLASSED AS CONSUMER COMMODITY, ORM-D
 UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

CANADA (TDG):
 MAY BE CLASSED AS CONSUMER COMMODITY, ORM-D
 UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

IMO:
 MAY BE SHIPPED AS LIMITED QUANTITY
 UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EMS F-D, S-U

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

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION:

CAS NO.	CHEMICAL/COMPOUND	% BY WT	% ELEMENT
75-09-2	METHYLENE CHLORIDE	62	
108-88-3	TOLUENE	11	
100-41-4	ETHYLBENZENE	1	
1330-20-7	XYLENE	8	
67-56-1	METHANOL	3	

CALIFORNIA PROPOSITION 65:

WARNING:
 THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
 CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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

CANADA WHMIS CLASS CODES
 C26844 CLASS B-DIVISION5- FLAMMABLE AEROSOL
 CLASS D- DIVISION 1-SUBDIVISION B- TOXIC MATERIAL
 CLASS D- DIVISION 2-SUBDIVISION A- VERY TOXIC MATERIAL

-----SECTION 16 - OTHER INFORMATION -----

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF
 THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS
 ALL OF THE INFORMATION REQUIRED BY THE CPR.

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED, AND
 IS BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR
 OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND
 HAZARDS OF THE PRODUCT. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE
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