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1301 E. 9th Street, #700  
Cleveland OH 44114  
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Barnes Distribution



Material Safety Data Sheet

MSDS Form No. : MSDS19451

Item No. : 19451

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

ALL PURPOSE CLEANER

Part # MSDS19451

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

MSDS Name: ALL PURPOSE CLEANER

Product CAS: (none)

Product Code:

Synonyms: 19451; ALL PURPOSE CLEANER

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): 1-303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 1/1/2002

Supersedes Date: 4/5/2000

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

Chemical Name	CAS	MIN	MAX
2-BUTOXYETHANOL	111-76-2	5	5
BUTANE	106-97-8	4	6
PROPANE	74-98-6	1	2

Miscellaneous:

INGREDIENTS	% BY WEIGHT	% BY VOL.	CAS NUMBER
2-BUTOXYETHANOL	5	5	111-76-2
BUTANE	4	6	74-98-6
PROPANE	1	2	74-98-6
WATER	90	86	7732-18-5

INGREDIENT	OSHA PEL	ACGIH TLV TC	VAPOR PRESSURE	HAPS 112	SARA 313
2-BUTOXYETHANOL	25 PPM (SKIN)	25 PPM	0.60	YES	YES
BUTANE	800 PPM	800 PPM	760.00	NO	NO
PROPANE	1000 PPM	-	760.00	NO	NO
WATER	-	-	-	NO	NO

Lbs of VOC per Gallon Coating (minus water): 5.58  
 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: 2 Fire: 4 Reactivity: 0 Other: -  
 HMIS: Health: 2 Fire: 4 Reactivity: 0 Special Protection: \*

Miscellaneous:

HMIS AND NFPA HAZARD RATINGS:

CATEGORY: HMIS / NFPA

PERSONAL PROT.: \*

SPECIFIC HAZ.: -

\*REFER TO SECTION 8

POTENTIAL HEALTH EFFECTS

Target Organs:

PRIMARY ROUTES OF EXPOSURE: EXPOSURE MAY BE 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:

CONDITIONS TO AVOID: N.A.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE GENERALLY RECOGNIZED.

SIGNS OF 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.

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS:

ACUTE: IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION.  
EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH.

CHRONIC: NO INGREDIENT IN THIS PRODUCT IS AN IARC, NTP, OR OSHA LISTED CARCINOGEN. PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION II MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY AND BLOOD FORMING SYSTEMS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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

Eye:

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

Skin:

WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE.

Ingestion:

IF SWALLOWED, GET 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:

CLOSED CONTAINERS MAY EXPLODE (DUE TO BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

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:  
CARBON DIOXIDE, DRY CHEMICAL, OR ALCOHOL FOAM.

Flash Point:  
AND METHOD: 14 F. N.D.

Flammable Limits:  
Lower Limit:  
(%): LEL: 1.1  
Upper Limit:  
(%): UEL: 10.6

AutoIgnition Temperature:  
(F): N.A.

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 CRF 261. WASTE MUST BE TESTED FOR IGNITABILITY TO DETERMINE THE APPLICABLE EPA WASTE NUMBERS. DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING POLLUTION.

RCRA HAZARDOUS WASTE NUMBER: D001.

Spills/Leaks:  
REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT SORBENT.

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

Handling:  
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. 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 RESOURCES OF IGNITION. CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE, OR EXPOSE TO TEMPERATURE ABOVE 120OF. 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:

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

## Eyes:

WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

## Skin:

NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR CHEMICAL RESISTANT GLOVES.

## Clothing:

OTHER PROTECTIVE EQUIPMENT: NONE.

## Respirators:

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION 2.

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

## Appearance/Odor:

WHITE/ PINE ODOR.

pH: 7.0

Vapor Pressure: SEE SECTION 2.

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

Evaporation Rate: FASTER THAN ETHER

Viscosity:

Boiling Point: LT 0 -343 F

Freezing/Melting Point:

Decomposition Temperature:

Solubility: IN WATER: N.A.

Specific Gravity: .96

Molecular Formula:

Molecular Weight: PRODUCT WEIGHT: 7.95 LB./GAL

Miscellaneous:

%VOC BY WT. (%): 9.87% LESS FEDERALLY EXEMPT SOLVENTS)

%VOC BY WT. (LB./GAL.): 5.58 LB./GAL.

VOLATILE HAPS (LB/GAL): 0.39 LB./GAL.

VOLATILE HAPS BY WT. (%): 4.94%

% VOLATILE BY VOLUME (%) 13.8

## \*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:  
STABLE.

Conditions to Avoid:  
NONE KNOWN.

Incompatibilities with Other Materials:  
NONE KNOWN.

Hazardous Decomposition Products:  
BY FIRE: CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization:  
WILL NOT OCCUR.

## \*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

Toxicological Information:  
CARCINOGENICITY: NONE.

## \*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

Ecological Information:  
NO DATA AVAILABLE.

## \*\*\*\* SECTION 13 - OTHER PRECAUTIONS \*\*\*\*

Other Precautions:

Work/Hygienic Practices:

## \*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

Transportation Information:  
DOT SHIPPING NAME: CONSUMER COMMODITY, ORM-D.

Label Information:

## \*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

Regulatory Information:

TSCA STATUS: EACH INGREDIENT IS ON THE TSCA INVENTORY.

NSR STATUS (CANADA): NOT DOCUMENTED.

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: 2-BUTOXYETHANOL.

CERCLA RQ: N.D.

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

Additional Information:

N.A.=NOT APPLICABLE

N.D.=NOT DETERMINED

N.E.=NOT ESTABLISHED

REVISION SUMMARY: THIS MSDS REPLACES THE MARCH 18, 1999 MSDS. PREPARED APRIL 5, 2000.