



**Barnes Distribution**

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



**Material Safety Data  
Sheet**

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**MSDS Form No. : 039468**  
**Item No. : BD1011, BD1011-1**  
MATERIAL SAFETY DATA SHEET

ISSUING DATE: 15-FEB-2013

REVISION DATE: 15-FEB-2013

VERSION: 1

-----1. PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: BD1011 ALL PURPOSE CLEANER  
PRODUCT CODE: F01563  
PRODUCT TYPE: NON-FLAMMABLE AEROSOL  
RECOMMENDED USE: ALL PURPOSE CLEANER

MANUFACTURED FOR:  
BARNES DISTRIBUTION  
1301 E. 9TH STREET, SUITE 700  
CLEVELAND, OH 44114-1824

MANUFACTURED BY:  
AMERICAN JETWAY CORPORATION  
34136 MYRTLE STREET  
WAYNE, MI 48184-0126

CHEMICAL EMERGENCY PHONE NUMBER:  
303-623-5716 ROCKY MOUNTAIN POISON CONTROL 24 HR

-----2. HAZARDS IDENTIFICATION -----

CAUTION!

EMERGENCY OVERVIEW:  
IRRITATING TO RESPIRATORY SYSTEM

IRRITATING TO SKIN

IRRITATING TO EYES

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS  
MAY BE  
HARMFUL OR FATAL

CONTENTS UNDER PRESSURE

APPEARANCE: HAZY

PHYSICAL STATE: AEROSOL

ODOR: FRAGRANCE

OSHA REGULATORY STATUS:  
THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION  
STANDARD (29 CFR 1910.1200)

POTENTIAL HEALTH EFFECTS:

PRINCIPLE ROUTES OF EXPOSURE: EYE CONTACT. SKIN CONTACT. INHALATION.

ACUTE TOXICITY:

EYES: IRRITATING TO EYES.

SKIN:

IRRITATING TO SKIN. PROLONGED SKIN CONTACT MAY DEFAT THE SKIN AND  
PRODUCE  
DERMATITIS. MAY CAUSE FROSTBITE.

INHALATION:

IRRITATING TO RESPIRATORY SYSTEM. AVOID BREATHING VAPORS OR MISTS.  
SYMPTOMS OF  
OVEREXPOSURE ARE DIZZINESS, HEADACHE, TIREDNESS, NAUSEA,  
UNCONSCIOUSNESS,  
CESSATION OF BREATHING.

INGESTION:

NOT AN EXPECTED ROUTE OF EXPOSURE. INGESTION MAY CAUSE GASTROINTESTINAL  
IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC EFFECTS:

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS  
MAY BE  
HARMFUL OR FATAL. CHRONIC HYDROCARBON ABUSE HAS BEEN ASSOCIATED WITH  
IRREGULAR  
HEART RHYTHMS AND POTENTIAL CARDIAC ARREST. PROLONGED SKIN CONTACT MAY  
DEFAT  
THE SKIN AND PRODUCE DERMATITIS.

MAIN SYMPTOMS:  
PROLONGED SKIN CONTACT MAY DEFAT THE SKIN AND PRODUCE DERMATITIS.

AGGRAVATED MEDICAL CONDITIONS: NO INFORMATION AVAILABLE.

INTERACTIONS WITH OTHER CHEMICALS: OXIDIZING AGENTS

ENVIRONMENTAL HAZARD: SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION

-----3. COMPOSITION/INFORMATION ON INGREDIENTS -----

THIS PRODUCT IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

CHEMICAL NAME	CAS-NO	WEIGHT %
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	3-7
2-BUTOXYETHANOL	111-76-2	1-5

-----4. FIRST AID MEASURES -----

GENERAL ADVICE:  
SHOW THIS MATERIAL SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.

EYE CONTACT:  
IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION/ADVICE.

SKIN CONTACT:  
WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE. GET MEDICAL ATTENTION IMMEDIATELY IF SYMPTOMS OCCUR.

INHALATION:  
MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING HAS STOPPED, CONTACT EMERGENCY MEDICAL SERVICES IMMEDIATELY.

INGESTION:  
CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RISK OF PRODUCT ENTERING THE LUNGS ON VOMITING AFTER INGESTION. DO NOT INDUCE VOMITING.

NOTES TO PHYSICIAN: NO INFORMATION AVAILABLE.

-----5. FIRE-FIGHTING MEASURES -----

FLAMMABLE PROPERTIES:

NOT FLAMMABLE AS DISPENSED AND TESTED PER 16 CFR 1500.45.

FLASH POINT: -132 DEG. F / -91 DEG. C

METHOD: BASED ON PROPELLANT

SUITABLE EXTINGUISHING MEDIA:

FOAM. DRY CHEMICAL. ALCOHOL-RESISTANT FOAM. CARBON DIOXIDE (CO2).

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES.

EXPLOSION DATA:

SENSITIVITY TO STATIC DISCHARGE: NO INFORMATION AVAILABLE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE). KEEP CONTAINERS AND SURROUNDING AREAS COOL WITH WATER SPRAY.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

NFPA:

HEALTH HAZARD	1
FLAMMABILITY	4
STABILITY	0
PHYSICAL AND CHEMICAL HAZARDS	

HMIS:

HEALTH HAZARD	1
FLAMMABILITY	2
PHYSICAL HAZARD	2
PERSONAL PROTECTION	B

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS:

ENSURE ADEQUATE VENTILATION. FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS:

DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.

METHODS FOR CONTAINMENT: PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO

DO SO.

METHODS FOR CLEANING UP:

USE A NON-COMBUSTIBLE MATERIAL LIKE VERMICULITE, SAND OR EARTH TO SOAK UP THE PRODUCT AND PLACE INTO A CONTAINER FOR LATER DISPOSAL.

-----7. HANDLING AND STORAGE -----

ADVICE ON SAFE HANDLING:

WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. DO NOT BREATHE VAPORS OR SPRAY MIST. DO NOT INGEST. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. NO SMOKING. WASH THOROUGHLY AFTER HANDLING.

TECHNICAL MEASURES/STORAGE CONDITIONS:

KEEP OUT OF THE REACH OF CHILDREN. INCOMPATIBLE WITH OXIDIZING AGENTS.

AEROSOL LEVEL: 1

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

EXPOSURE GUIDELINES:

CHEMICAL NAME IDLH	ACGIH TLV	OSHA PEL	NIOSH
2-BUTOXYETHANOL PPM 111-76-2 PPM MG/M3	TWA: 20 PPM	TWA: 50 PPM  TWA: 240 MG/M3  (VACATED) TWA: 25 PPM  (VACATED) TWA: 120 MG/M3 (VACATED) S* S*	IDLH: 700  TWA: 5  TWA: 24
SODIUM HYDROXIDE MG/M3 1310-73-2 2 MG/M3	CEILING: 2 MG/M3	TWA: 2 MG/M3  (VACATED) CEILING: 2 MG/M3	IDLH: 10  CEILING:

OTHER EXPOSURE GUIDELINES:

VACATED LIMITS REVOKED BY THE COURT OF APPEALS DECISION IN AFL-CIO V. OSHA, 965 F.2D 962 (11TH CIR., 1992).

ENGINEERING MEASURES: ENSURE ADEQUATE VENTILATION.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: SAFETY GLASSES WITH SIDE-SHIELDS.

SKIN AND BODY PROTECTION:

WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, LAB COAT, APRON

OR COVERALLS, AS APPROPRIATE, TO PREVENT SKIN CONTACT.

RESPIRATORY PROTECTION:

IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH/MSHA

APPROVED RESPIRATORY PROTECTION SHOULD BE WORN.

HYGIENE MEASURES:

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. GENERAL INDUSTRIAL HYGIENE

PRACTICE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS AND FACE

BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. AVOID BREATHING

VAPORS, MIST OR GAS.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

PHYSICAL STATE: AEROSOL

APPEARANCE: HAZY

ODOR: FRAGRANCE

COLOR: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHODS
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PH	11.5	
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BOILING POINT/BOILING AVAILABLE RANGE		NO INFORMATION
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FLASH POINT PROPELLANT	-91 DEG. C / -132 DEG. F	BASED ON
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FLAMMABILITY LIMITS IN AIR		NO DATA AVAILABLE
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UPPER FLAMMABILITY LIMIT

LOWER FLAMMABILITY LIMIT

VAPOR PRESSURE		NOT DETERMINED
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VAPOR DENSITY		HEAVIER THAN AIR
SPECIFIC GRAVITY AVAILABLE	0.98	NO INFORMATION
WATER SOLUBILITY AVAILABLE		NO INFORMATION
VISCOSITY, KINEMATIC AVAILABLE		NO INFORMATION
FLAME EXTENSION W/O EXT TUBE	0	
FLAME EXTENSION WITH EXT TUBE	NA	
FLASH BACK W/O EXT TUBE	0	
FLASH BACK WITH EXT TUBE	NA	
VOC CONTENT (%)	7.45	

-----10. STABILITY AND REACTIVITY -----

STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

INCOMPATIBLE PRODUCTS: STRONG OXIDIZING AGENTS.

CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS. STRONG BASES.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES. FUMES. HYDROCARBONS.

HAZARDOUS REACTIONS: NO INFORMATION AVAILABLE.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

-----11. TOXICOLOGICAL INFORMATION -----

ACUTE TOXICITY:

PRODUCT INFORMATION:

CAUSES SKIN, EYE AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED.

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
2-BUTOXYETHANOL	470 MG/KG (RAT)	2270 MG/KG (RAT)	2.21 MG/L (RAT)
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CHRONIC TOXICITY:

CHRONIC TOXICITY:  
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS  
MAY BE  
HARMFUL OR FATAL. CHRONIC HYDROCARBON ABUSE HAS BEEN ASSOCIATED WITH  
IRREGULAR  
HEART RHYTHMS AND POTENTIAL CARDIAC ARREST. PROLONGED SKIN CONTACT MAY  
DEFAT  
THE SKIN AND PRODUCE DERMATITIS.

CARCINOGENICITY:  
THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS EVALUATED A LISTED  
INGREDIENT AS A CARCINOGEN.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
2-BUTOXYETHANOL	A3	GROUP 3		

ACGIH: (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS)  
A3 - ANIMAL CARCINOGEN

IARC: (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)  
GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS

TARGET ORGAN EFFECTS:  
BLOOD. CENTRAL NERVOUS SYSTEM. EYES. HEMATOPOIETIC SYSTEM. KIDNEY.  
LIVER.  
RESPIRATORY SYSTEM. SKIN.

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICITY:  
THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY  
INVESTIGATED.

-----13. DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL METHODS:  
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

CONTAMINATED PACKAGING: DO NOT RE-USE EMPTY CONTAINERS.

-----14. TRANSPORT INFORMATION -----

DOT GROUND: CONSUMER COMMODITY ORM-D OR LIMITED QUANTITY



IATA: UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD. QTY

IMDG: UN1950, AEROSOLS, 2.2, LTD. QTY.

-----15. REGULATORY INFORMATION -----

INTERNATIONAL INVENTORIES:

TSCA: TSCA

DSL:

NDSL: COMPLIES

EINECS:

ELINCS:

ENCS:

IECSC:

KECL:

PICCS:

AICS:

CHEMICAL NAME	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS
PROPANE/ LISTED ISOBUTANE/ N-BUTANE	PRESENT	X	NOT LISTED	270-705-8	NOT LISTED	NOT
2-BUTOXYETHANOL PRESENT	PRESENT	X	NOT LISTED	203-905-0	NOT LISTED	

CHEMICAL NAME	IECSC	KECL	PICCS	AICS
PROPANE/ ISOBUTANE/ N-BUTANE	X	KE-28192	X	X
2-BUTOXYETHANOL	X	KE-04134	X	X

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDSL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES/EU LIST OF NOTIFIED CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

IECSC: CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

AICS: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

U.S. FEDERAL REGULATIONS:

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372:

CHEMICAL NAME                      SARA 313 - THRESHOLD VALUES %

2-BUTOXYETHANOL                      1.0

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES

CHRONIC HEALTH HAZARD: YES

FIRE HAZARD: YES

SUDDEN RELEASE OF PRESSURE HAZARD: NO

REACTIVE HAZARD: NO

U.S. STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN PROPOSITION 65 CHEMICALS.

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	MASSACHUSETTS	NEW JERSEY	PENNSYLVANIA	ILLINOIS	RHODE ISLAND
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PINE OIL		X			
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AMMONIA	X	X	X		
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INTERNATIONAL REGULATIONS:

CHEMICAL NAME	CARCINOGEN STATUS	EXPOSURE LIMITS
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2-BUTOXYETHANOL		
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MEXICO:  
TWA: 26 PPM

MEXICO:  
TWA: 120 MG/M3

MEXICO:  
STEL: 75 PPM

MEXICO:  
STEL: 360 MG/M3

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

-----16. OTHER INFORMATION -----

PREPARED BY:  
AMERICAN JETWAY  
34136 MYRTLE STREET  
WAYNE, MI 48184

ISSUING DATE: 15-FEB-2013

REVISION DATE: 15-FEB-2013

REVISION NOTE: NO INFORMATION AVAILABLE.

DISCLAIMER:  
THE INFORMATION PROVIDED ON THIS MSDS IS CORRECT TO THE BEST OF OUR  
KNOWLEDGE,  
INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION  
GIVEN  
IS DESIGNED ONLY AS A GUIDE FOR SAFE HANDLING, USE, PROCESSING,  
STORAGE,  
TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED AS A  
WARRANTY  
OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC  
MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN  
COMBINATION  
WITH ANY OTHER MATERIAL OR IN ANY PROCESS, UNLESS SPECIFIED IN THE  
TEXT.