



Class C
Solutions
Group

Safety Data Sheet

Supply Co. - BD1011 SURFACE CLEANER

Document Nbr: 082581
Class C Parts IDs BD1011,BD1011-1

SAFETY DATA SHEET

ISSUING DATE: 27-APR-2015

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VERSION: 2.02

-----1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND -----
OF THE COMPANY/UNDERTAKING

PRODUCT IDENTIFIER:

PRODUCT NAME: BD1011 SURFACE CLEANER

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

PRODUCT CODE: F01563

PRODUCT TYPE: NON-FLAMMABLE AEROSOL

SYNONYMS: NONE

SUPPLIER'S DETAILS:

RECOMMENDED USE: SPOT REMOVER.

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

MANUFACTURER:

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

DISTRIBUTOR:

CLASS C SOLUTIONS GROUP
A BUSINESS OF MSC INDUSTRIAL SUPPLY CO.
75 MAXESS ROAD
MELVILLE, NY 11747-3151
1-866-438-6767

EMERGENCY TELEPHONE NUMBER:

CHEMICAL EMERGENCY PHONE NUMBER:
CHEMTREC: 1-800-262-8200 ID 1195

COMPANY EMERGENCY PHONE NUMBER: 734-721-5930

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

CLASSIFICATION:
GASES UNDER PRESSURE: COMPRESSED GAS

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

WARNING:

HAZARD STATEMENTS: CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED

GAS CYLINDER

APPEARANCE: HAZY

PHYSICAL STATE: AEROSOL

ODOR: SOLVENT

PRECAUTIONARY STATEMENTS - STORAGE:
PROTECT FROM SUNLIGHT. STORE IN A WELL-VENTILATED PLACE

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NONE

OTHER INFORMATION: CAUSES MILD SKIN IRRITATION

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY

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

CHEMICAL NAME	CAS-NO	WEIGHT %*
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	1-10
2-BUTOXYETHANOL	111-76-2	1-10

*THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

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

FIRST AID MEASURES FOR DIFFERENT EXPOSURE ROUTES:

GENERAL ADVICE:
AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID BREATHING, VAPORS, MIST, OR GAS.

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.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

MAIN SYMPTOMS: MAY CAUSE SKIN AND EYE IRRITATION.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY.

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

SUITABLE EXTINGUISHING MEDIA:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA:

DECOMPOSITION BY CONTACT WITH WATER MAY GENERATE VAPORS WHICH CAN BE IGNITED BY HEAT OR OPEN FLAME.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NO INFORMATION AVAILABLE.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE.

SENSITIVITY TO STATIC DISCHARGE: YES.

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.

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

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: ENSURE ADEQUATE VENTILATION.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

BEWARE OF VAPORS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPORS CAN

ACCUMULATE IN LOW AREAS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
METHODS FOR CONTAINMENT:
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:
PICK UP AND TRANSFER TO PROPERLY LABELED CONTAINERS.

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

PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:
AVOID CONTACT WITH EYES. AVOID BREATHING VAPORS OR MISTS. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE CANS. DO NOT STICK PIN OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

TECHNICAL MEASURES/STORAGE CONDITIONS:
KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE.

INCOMPATIBLE PRODUCTS: NONE KNOWN BASED ON INFORMATION SUPPLIED.

AEROSOL LEVEL: 1

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

CONTROL PARAMETERS:

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
PROPANE/ISOBUTANE/ N-BUTANE 68476-86-8	74-98-6: TWA: 1000 PPM 106-97-8: STEL: 1000 PPM 75-28-5 STEL: 1000 PPM	74-98-6: TWA: 1000 PPM TWA: 1800 MG/M3 (VACATED) TWA: 1000 PPM (VACATED) TWA: 1800 MG/M3 106-97-8: (VACATED)TWA: 800 PPM (VACATED) TWA: 1900 MG/M3	74-98-6: IDLH: 2100 PPM TWA: 1000 PPM TWA: 1800 MG/M3 106-97-8: TWA: 800 PPM TWA: 1900 MG/M3 75-28-5: TWA: 800 PPM TWA: 1900 MG/M3
2-BUTOXYETHANOL 111-76-2	TWA: 20 PPM	TWA: 50 PPM TWA: 240 MG/M3	IDLH: 700 PPM TWA: 5 PPM TWA: 24 MG/M3

(VACATED) TWA:
25 PPM

(VACATED) TWA:
120 MG/M3

(VACATED) S*
S*

ACGIH: (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS)

OSHA: (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION)

NIOSH IDLH: IMMEDIATELY DANGEROUS TO LIFE OR HEALTH

OTHER EXPOSURE GUIDELINES:

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

EXPOSURE CONTROLS:

ENGINEERING MEASURES:

SHOWERS

EYEWASH STATIONS

VENTILATION SYSTEMS.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

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

SKIN AND BODY PROTECTION: CHEMICAL RESISTANT APRON. PROTECTIVE GLOVES.

RESPIRATORY PROTECTION:

IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH/MSHA
APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. POSITIVE-PRESSURE SUPPLIED
AIR RESPIRATORS MAY BE REQUIRED FOR HIGH AIRBORNE CONTAMINANT
CONCENTRATIONS. RESPIRATORY PROTECTION MUST BE PROVIDED IN ACCORDANCE WITH
CURRENT LOCAL REGULATIONS.

HYGIENE MEASURES:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

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

PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: AEROSOL

APPEARANCE: HAZY

ODOR: SOLVENT

COLOR: HAZY

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHODS
PH	NO INFORMATION AVAILABLE	
MELTING/FREEZING POINT	NO INFORMATION AVAILABLE	

BOILING POINT/BOILING RANGE	NO INFORMATION AVAILABLE	
FLASH POINT	-91 DEG. C / -132 DEG. F	BASED ON PROPELLANT
EVAPORATION RATE	NO INFORMATION AVAILABLE	
FLAMMABILITY (SOLID, GAS)	NO INFORMATION AVAILABLE	
FLAMMABILITY LIMITS IN AIR:		
UPPER FLAMMABILITY LIMIT	NO INFORMATION AVAILABLE	
LOWER FLAMMABILITY LIMIT	NO INFORMATION AVAILABLE	
VAPOR PRESSURE	NO INFORMATION AVAILABLE	
VAPOR DENSITY	NO INFORMATION AVAILABLE	
SPECIFIC GRAVITY	1.003	
WATER SOLUBILITY	PRACTICALLY INSOLUBLE	
PARTITION COEFFICIENT N-OCTANOL/WATER	NO INFORMATION AVAILABLE	
AUTOIGNITION TEMPERATURE	NO INFORMATION AVAILABLE	NOT APPLICABLE
DECOMPOSITION TEMPERATURE	NO INFORMATION AVAILABLE	
VISCOSITY	NO INFORMATION AVAILABLE	
EXPLOSIVE PROPERTIES	NO INFORMATION AVAILABLE	
OTHER INFORMATION:		
VOC CONTENT(%)	7.45	

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

REACTIVITY: NO DATA AVAILABLE

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

CONDITIONS TO AVOID: EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.

INCOMPATIBLE MATERIALS: NONE KNOWN BASED ON INFORMATION SUPPLIED.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES. FUMES. HYDROCARBONS.

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

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION: AVOID BREATHING VAPORS OR MISTS.
EYE: CONTACT MAY CAUSE TEMPORARY EYE IRRITATION.
SKIN: CONTACT AVOID CONTACT WITH SKIN.
INGESTION: MAY BE HARMFUL OR FATAL IF SWALLOWED.

COMPONENT INFORMATION:

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
2-BUTOXYETHANOL 111-76-2	= 470 MG/KG (RAT)	= 99 MG/KG (RABBIT)	= 450 PPM (RAT) 4 H

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS:

INHALATION OF HIGH VAPOR CONCENTRATIONS MAY CAUSE SYMPTOMS LIKE HEADACHE, DIZZINESS, TIREDNESS, NAUSEA AND VOMITING.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SENSITIZATION: NONE KNOWN.

GERM CELL MUTAGENICITY: NONE KNOWN.

CARCINOGENICITY:

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

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
2-BUTOXYETHANOL 111-76-2	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

REPRODUCTIVE TOXICITY:

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR SUSPECTED REPRODUCTIVE HAZARDS.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE):
NO KNOWN EFFECTS UNDER NORMAL USE CONDITIONS.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE):
NONE UNDER NORMAL USE CONDITIONS.

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.

TARGET ORGAN EFFECTS:

BLOOD, CENTRAL NERVOUS SYSTEM, EYES, HEMATOPOIETIC SYSTEM, KIDNEY, LIVER,

RESPIRATORY SYSTEM, SKIN.

ASPIRATION HAZARD: NOT APPLICABLE.

NUMERICAL MEASURES OF TOXICITY - PRODUCT INFORMATION:

UNKNOWN ACUTE TOXICITY:

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT:

ATEMIX (ORAL): 23913 MG/KG

ATEMIX (DERMAL): 55967 MG/KG

ATEMIX (INHALATION-DUST/MIST): 76.3 MG/L

ATEMIX (INHALATION-VAPOR): 22895 MG/L

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

ECOTOXICITY:

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH	TOXICITY TO MICROORGANISMS	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES
2-BUTOXYETHANOL 111-76-2		1490 MG/L LC50 LEPOMIS MACROCHIRUS 96H STATIC		1000 MG/L EC50 DAPHNIA MAGNA 48H
		2950 MG/L LC50 LEPOMIS MACROCHIRUS 96H		

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

CHEMICAL NAME	LOG POW
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
2-BUTOXYETHANOL 111-76-2	0.81

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE

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

WASTE TREATMENT:

WASTE DISPOSAL METHODS:

IT MUST UNDERGO SPECIAL TREATMENT, E.G. AT SUITABLE DISPOSAL SITE, TO COMPLY WITH 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:

CHEMICAL NAME	TSCA	DSL/NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
PROPANE/ ISOBUTANE/ N-BUTANE	X	X	X	NOT LISTED	X	X	X	X
2-BUTOXY- ETHANOL	X	X	X	X	X	X	X	X

LEGEND:

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

CHINA: 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	CAS-NO	WEIGHT %*	SARA 313 - THRESHOLD VALUES %
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2-BUTOXYETHANOL - 111-76-2 111-76-2 1-10 1.0

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES
CHRONIC HEALTH HAZARD: YES
FIRE HAZARD: NO
SUDDEN RELEASE OF PRESSURE HAZARD: YES
REACTIVE HAZARD: NO

CLEAN WATER ACT:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES WHICH ARE REGULATED POLLUTANTS PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42):

CERCLA:

THIS MATERIAL, AS SUPPLIED, CONTAINS ONE OR MORE SUBSTANCES REGULATED AS A HAZARDOUS SUBSTANCE UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302):

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	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
2-BUTOXYETHANOL 111-76-2	X	X	X

EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

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 -----

NFPA:

HEALTH HAZARD 2
FLAMMABILITY 0
INSTABILITY 0
PHYSICAL AND CHEMICAL HAZARDS

HMIS:

HEALTH HAZARD 2
FLAMMABILITY 0
PHYSICAL HAZARD 0
PERSONAL PROTECTION B

PREPARED BY:

AMERICAN JETWAY
34136 MYRTLE STREET

WAYNE, MI 48184

TEL.: 734-721-5930

ISSUING DATE: 27-APR-2015

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REVISION NOTE: NO INFORMATION AVAILABLE

DISCLAIMER:

THE INFORMATION PROVIDED ON THIS SDS IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.

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