



Formerly Class C Solutions Group

Safety Data Sheet

SIVE

Document Nbr: 082609
Class C Parts IDs BD1185, BD1185-1

SAFETY DATA SHEET

ISSUING DATE: 16-APR-2015

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VERSION: 1.01

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

PRODUCT IDENTIFIER:

PRODUCT NAME: 64707656 BD1185 SPRAY ADHESIVE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

PRODUCT CODE: F01517

PRODUCT TYPE: EXTREMELY FLAMMABLE AEROSOL

SYNONYMS: NONE

SUPPLIER'S DETAILS:

RECOMMENDED USE: SPRAY ADHESIVE.

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:

SKIN CORROSION/IRRITATION: CATEGORY 2

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3

ASPIRATION TOXICITY: CATEGORY 1

FLAMMABLE AEROSOLS: CATEGORY 1

GASES UNDER PRESSURE: COMPRESSED GAS

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

DANGER:

HAZARD STATEMENTS:

CAUSES SKIN IRRITATION

CAUSES SERIOUS EYE IRRITATION

MAY CAUSE DROWSINESS OR DIZZINESS

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

EXTREMELY FLAMMABLE AEROSOL

CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED

EXCLAMATION MARK

HEALTH HAZARD

FLAME

GAS CYLINDER

APPEARANCE: OPAQUE

PHYSICAL STATE: AEROSOL

ODOR: SOLVENT

PRECAUTIONARY STATEMENTS - PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING

WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE

PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE

PRECAUTIONARY STATEMENTS - RESPONSE:

SPECIFIC TREATMENT (SEE FIRST AID ON THIS LABEL)

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN

DO NOT INDUCE VOMITING

PRECAUTIONARY STATEMENTS - STORAGE:

STORE LOCKED UP

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F

PRECAUTIONARY STATEMENTS - DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NONE

OTHER INFORMATION:

TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

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	20-30
PETROLEUM DISTILLATES	8030-30-6	10-20
METHYL ACETATE	79-20-9	10-20
ACETONE	67-64-1	10-20
CYCLOHEXANE	110-82-7	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:

EYE CONTACT:

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS. KEEP EYE WIDE OPEN WHILE RINSING. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

SKIN CONTACT:

WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER WHILE REMOVING ALL CONTAMINATED CLOTHES AND SHOES. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INHALATION:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. ARTIFICIAL RESPIRATION AND/OR OXYGEN MAY BE NECESSARY. IF BREATHING HAS STOPPED, CONTACT EMERGENCY MEDICAL SERVICES IMMEDIATELY.

INGESTION:

RINSE MOUTH. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

MAIN SYMPTOMS:

CAUSES SKIN AND EYE IRRITATION. INHALATION CAUSING CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION CAUSING LUNG DAMAGE.

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

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY.

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

SUITABLE EXTINGUISHING MEDIA:

WATER FOG. DRY CHEMICAL. CARBON DIOXIDE (CO₂). COOL CONTAINERS/TANKS WITH WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA:

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING. COOL CONTAINERS / TANKS WITH WATER SPRAY.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

EXTREMELY FLAMMABLE. KEEP PRODUCT AND EMPTY CONTAINER AWAY FROM HEAT AND SOURCES OF IGNITION. RISK OF IGNITION. IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. IN THE EVENT OF FIRE, COOL TANKS WITH WATER SPRAY.

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:

AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID BREATHING VAPORS OR MISTS. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER AWAY FROM HEAT, FLAMES, AND ALL OTHER SOURCES OF IGNITION.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

BEWARE OF VAPORS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPORS CAN ACCUMULATE IN LOW AREAS. PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEM. PREVENT PRODUCT FROM ENTERING DRAINS. LOCAL AUTHORITIES SHOULD BE ADVISED IF SIGNIFICANT SPILLAGES CANNOT BE CONTAINED.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

METHODS FOR CLEANING UP:

PICK UP AND TRANSFER TO PROPERLY LABELED CONTAINERS. SOAK UP WITH INERT ABSORBENT MATERIAL. CLEAN CONTAMINATED SURFACE THOROUGHLY. AFTER CLEANING, FLUSH AWAY TRACES WITH WATER. PREVENT PRODUCT FROM ENTERING DRAINS. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

-----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. AVOID SKIN CONTACT. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER AWAY FROM HEAT, FLAMES, AND ALL OTHER SOURCES OF IGNITION. KEEP CAN AWAY FROM ALL SOURCES OF ELECTRICITY SUCH AS ELECTRIC MOTORS AND BATTERIES. DO NOT SPRAY ON HOT SURFACES.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

TECHNICAL MEASURES/STORAGE CONDITIONS:

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP IN PROPERLY LABELED CONTAINERS. KEEP OUT OF THE REACH OF CHILDREN. STORE LOCKED UP.

INCOMPATIBLE PRODUCTS: STRONG ACIDS, ALKALIS, OR OXIDIZING AGENTS.

AEROSOL LEVEL: 3

-----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 TWA: 100 PPM TWA: 400 MG/M3 (VACATED) TWA: 100 PPM (VACATED) TWA: 400 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 IDLH: 1000 PPM TWA: 100 PPM TWA: 400 MG/M3
PETROLEUM DISTILLATES 8030-30-6			
METHYL ACETATE 79-20-9	STEL: 250 PPM TWA: 200 PPM	TWA: 200 PPM TWA: 610 MG/M3 (VACATED) TWA: 200 PPM (VACATED) TWA: 610 MG/M3 (VACATED) STEL: 250 PPM (VACATED) STEL: 760 MG/M3	IDLH: 3100 PPM TWA: 200 PPM TWA: 610 MG/M3 STEL: 250 PPM STEL: 760 MG/M3
ACETONE 67-64-1	STEL: 750 PPM TWA: 500 PPM	TWA: 1000 PPM TWA: 2400 MG/M3 (VACATED) TWA: 750 PPM	IDLH: 2500 PPM TWA: 250 PPM TWA: 590 MG/M3

(VACATED) TWA:
1800 MG/M3

(VACATED) STEL:
2400 MG/M3
THE ACETONE STEL
DOES NOT APPLY TO
THE CELLULOSE
ACETATE FIBER
INDUSTRY. IT IS
IN EFFECT FOR ALL
OTHER SECTORS

(VACATED) STEL:
1000 PPM

CYCLOHEXANE
110-82-7

TWA: 100 PPM

TWA: 300 PPM

IDLH: 1300 PPM

TWA: 300 PPM

TWA: 1050 MG/M3

TWA: 1050 MG/M3

(VACATED) TWA:
300 PPM

(VACATED) TWA:
1050 MG/M3

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: OPAQUE

ODOR: SOLVENT

COLOR: BEIGE

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHODS
PH	0	
MELTING/FREEZING POINT	NO INFORMATION AVAILABLE	
BOILING POINT/BOILING RANGE	NO INFORMATION AVAILABLE	
FLASH POINT	-97 DEG. C / -143 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	0.769	
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(%)	41.13	

MIR VALUE

0.39

-----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: STRONG ACIDS, ALKALIS, OR OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN BASED ON INFORMATION SUPPLIED.

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

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION:

VAPORS MAY IRRITATE THROAT AND RESPIRATORY SYSTEM. MAY CAUSE DROWNSINESS AND DIZZINESS BASED ON COMPONENTS. MAY CAUSE IRRITATION OF RESPIRATORY TRACT. AVOID BREATHING VAPORS OR MISTS.

EYE CONTACT: IRRITATING TO EYES. AVOID CONTACT WITH EYES.

SKIN CONTACT:

IRRITATING TO SKIN. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. PROLONGED SKIN CONTACT MAY DEFAT THE SKIN AND PRODUCE DERMATITIS. AVOID CONTACT WITH SKIN.

INGESTION:

MAY BE HARMFUL OR FATAL IF SWALLOWED. ASPIRATION INTO THE LUNGS DURING SWALLOWING MAY CAUSE SERIOUS LUNG DAMAGE WHICH MAY BE FATAL.

COMPONENT INFORMATION:

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
METHYL ACETATE 79-20-9	>5000 MG/KG (RAT)	>5 G/KG (RABBIT)	=16000 PPM (RAT) 4 H
ACETONE 67-64-1	=5800 MG/KG	20,000 MG/KG (RABBIT)	=50100 MG/M3 (RAT) 8 H
CYCLOHEXANE 110-82-7	>5000 MG/KG (RAT)	>2000 MG/KG (RABBIT)	=13.9 MG/L (RAT) 4 H

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS:

SYMPTOMS OF OVEREXPOSURE MAY BE HEADACHE, DIZZINESS, TIREDNESS, NAUSEA, AND

VOMITING. CAUSES SKIN AND EYE IRRITATION. MAY CAUSE RESPIRATORY SYSTEM IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE DERMATITIS. NOT ACUTELY TOXIC. ASPIRATION INTO THE LUNGS DURING SWALLOWING MAY CAUSE SERIOUS LUNG DAMAGE WHICH MAY BE FATAL.

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

SKIN CORROSION/IRRITATION: IRRITATING TO SKIN.

EYE DAMAGE/IRRITATION: IRRITATING TO EYES.

IRRITATION: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

SENSITIZATION: NONE KNOWN.

GERM CELL MUTAGENICITY: NONE KNOWN.

CARCINOGENICITY: THERE ARE NO KNOWN CARCINOGENIC CHEMICALS IN THIS PRODUCT.

REPRODUCTIVE TOXICITY:

PRODUCT IS OR CONTAINS A CHEMICAL WHICH IS A KNOWN OR SUSPECTED REPRODUCTIVE HAZARD.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE):

MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS AND DIZZINESS.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE):

NO INFORMATION AVAILABLE.

CHRONIC TOXICITY: MAY CAUSE ADVERSE LIVER EFFECTS.

TARGET ORGAN EFFECTS:

CENTRAL NERVOUS SYSTEM, EYES, KIDNEY, LIVER, RESPIRATORY SYSTEM, SKIN.

NEUROLOGICAL EFFECTS:

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

ASPIRATION HAZARD: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

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): 20854 MG/KG

ATEMIX (DERMAL): 23833 MG/KG

ATEMIX (INHALATION-DUST/MIST): 668 MG/L

ATEMIX (INHALATION-VAPOR): 102564 MG/L

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

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A MARINE POLLUTANT ACCORDING TO DOT.

ECOTOXICITY:

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8		
PETROLEUM DISTILLATES 8030-30-6	4700 MG/L EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 72H	9.2 MG/L LC50 LEPOMIS MACROCHIRUS 96H STATIC
METHYL ACETATE 79-20-9	120 MG/L EC50 DESMODESMUS SUBSPICATUS 72H	250 - 350 MG/L LC50 BRACHYDANIO RERIO 96H STATIC 295 - 348 MG/L LC50 PIMEPHALES PROMELAS 96H FLOW-THROUGH
ACETONE 67-64-1		4.74 - 6.33 ML/L LC50 ONCORHYNCHUS MYKISS 96H 6210 - 8120 MG/L LC50 PIMEPHALES PROMELAS 96H STATIC 8300 MG/L LC50 LEPOMIS MACROCHIRUS 96H
CYCLOHEXANE 110-82-7	500 MG/L EC50 DESMODESMUS SUBSPICATUS 72H	23.03 - 42.07 MG/L LC50 PIMEPHALES PROMELAS 96H STATIC 24.99 - 44.69 MG/L LC50 LEPOMIS MACROCHIRUS 96H STATIC 3.96 - 5.18 MG/L LC50 PIMEPHALES PROMELAS 96H FLOW-THROUGH 48.87 - 68.76 MG/L LC50 POECILIA RETICULATA 96H STATIC
CHEMICAL NAME	TOXICITY TO MICROORGANISMS	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES
PROPANE/ISOBUTANE/N-BUTANE		
PETROLEUM DISTILLATES		
METHYL ACETATE		1026.7 MG/L EC50 DAPHNIA MAGNA 48H

ACETONE

10294 - 17704 MG/L EC50
DAPHNIA MAGNA 48H STATIC

12600 - 12700 MG/L EC50
DAPHNIA MAGNA 48H

CYCLOHEXANE

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

CHEMICAL NAME	LOG POW
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
METHYL ACETATE 79-20-9	0.18
ACETONE 67-64-1	-0.24
CYCLOHEXANE 110-82-7	3.44

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE

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

WASTE TREATMENT:

WASTE DISPOSAL METHODS:

THIS MATERIAL, AS SUPPLIED, IS A HAZARDOUS WASTE ACCORDING TO FEDERAL REGULATIONS (40 CFR 261).

CONTAMINATED PACKAGING: DO NOT RE-USE EMPTY CONTAINERS.

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

DOT GROUND:

CONSUMER COMMODITY ORM-D

OR

LIMITED QUANTITY

MARINE POLLUTANT:

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A MARINE POLLUTANT ACCORDING TO DOT.

IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG: UN1950, AEROSOLS, FLAMMABLE, 2.1, 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
PETROLEUM DISTILLATES	X	X	X	NOT LISTED	X	X	X	X
METHYL ACETATE	X	X	X	X	X	X	X	X
ACETONE	X	X	X	X	X	X	X	X
CYCLOHEXANE	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 %
CYCLOHEXANE - 110-82-7	110-82-7	1-10	1.0

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES

CHRONIC HEALTH HAZARD: YES

FIRE HAZARD: YES

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):

CHEMICAL NAME	CWA - REPORTABLE QUANTITIES	CWA - TOXIC POLLUTANTS	CWA - PRIORITY POLLUTANTS	CWA - HAZARDOUS SUBSTANCES
CYCLOHEXANE 110-82-7	1000 LB			X

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):

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQS	EXTREMELY HAZARDOUS SUBSTANCES RQS	RQ
ACETONE 67-64-1	5000 LB		RQ: 5000 LB FINAL RQ RQ: 2270 KG FINAL RQ
CYCLOHEXANE 110-82-7	1000 LB		RQ: 1000 LB FINAL RQ RQ: 454 KG FINAL RQ

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
PETROLEUM DISTILLATES 8030-30-6	X	X	X
METHYL ACETATE 79-20-9	X	X	X
ACETONE 67-64-1	X	X	X
CYCLOHEXANE 110-82-7	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.

A - COMPRESSED GAS
B - FLAMMABLE AND COMBUSTIBLE MATERIAL
D2 - MATERIALS CAUSING OTHER TOXIC EFFECTS

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

NFPA:

HEALTH HAZARD	2
FLAMMABILITY	4
INSTABILITY	0
PHYSICAL AND CHEMICAL HAZARDS	

HMIS:

HEALTH HAZARD	2
FLAMMABILITY	4
PHYSICAL HAZARD	1
PERSONAL PROTECTION X	

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