

Class C Solutions Group

A business of MSC Industrial Supply Co.

Safety Data Sheet

Supply Co. - 64707920 BD1069 BATTERY TERMIN

Document Nbr: 082627
Class C Parts IDs BD1069,BD1069-1

SAFETY DATA SHEET.

ISSUING DATE: 10-APR-2015

REVISION DATE: 15-JUN-2015

VERSION: 1.02

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

PRODUCT IDENTIFIER:

PRODUCT NAME: 64707920 BD1069 BATTERY TERMIN

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

PRODUCT CODE: F01551

PRODUCT TYPE: EXTREMELY FLAMMABLE AEROSOL

SYNONYMS: NONE

SUPPLIER'S DETAILS:

RECOMMENDED USE: BATTERY PROTECTANT.

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

CLASSIFICATION:

SKIN CORROSION/IRRITATION: CATEGORY 2
SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2
CARCINOGENICITY: CATEGORY 2
REPRODUCTIVE TOXICITY: CATEGORY 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): CATEGORY 2
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

SUSPECTED OF CAUSING CANCER

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS

MAY CAUSE DAMAGE TO ORGANS (CENTRAL NERVOUS SYSTEM, EYES, RESPIRATORY SYSTEM,
AND SKIN) THROUGH PROLONGED OR REPEATED EXPOSURE

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: LIGHT VANILLA SCENT SOLVENT

PRECAUTIONARY STATEMENTS - PREVENTION:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING

DO NOT BREATHE 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:

IF EXPOSED OR CONCERNED:

GET MEDICAL ADVICE/ATTENTION

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

0.03166% 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	10-20
XYLENE	1330-20-7	10-20
NAPHTHENIC OIL, SEVERLY HYDROT	64742-52-5	1-10
HEXANE	64742-49-0	1-10
ETHYL BENZENE	100-41-4	1-10
HYDROTREATED HEAVY NAPHTHENIC	64742-48-9	1-10
ORGANOPHOSPATE ESTER, ZINC SALT	68649-42-3	0.1-1

*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 IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. KEEP EYE WIDE OPEN WHILE RINSING. CALL A PHYSICIAN IMMEDIATELY.

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:

IRRITATING TO SKIN. CAUSES 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:

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

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

EXTREMELY FLAMMABLE. KEEP PRODUCT AND EMPTY CONTAINER AWAY FROM HEAT AND SOURCES OF IGNITION. IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES.

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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

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

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. 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.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

TECHNICAL MEASURES/STORAGE CONDITIONS:

KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. 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: 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	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

XYLENE 1330-20-7	STEL: 150 PPM	TWA: 100 PPM	
	TWA: 100 PPM	TWA: 435 MG/M3	
		(VACATED) TWA: 100 PPM	
		(VACATED) TWA: 435 MG/M3	
		(VACATED) STEL: 150 PPM	
	(VACATED) STEL: 655 MG/M3		
HEXANE 64742-49-0	TWA: 50 PPM	TWA: 500 PPM	IDLH: 1100 PPM
	SKIN -	TWA: 1800 MG/M3	TWA: 50 PPM
	POTENTIAL	(VACATED) TWA: 50 PPM	TWA: 180 MG/M3
	SIGNIFICANT	(VACATED) TWA: 180 MG/M3	
	CONTRIBUTION TO OVERALL EXPOSURE BY THE CUTANEOUS ROUTE		
ETHYL BENZENE 100-41-4	TWA: 20 PPM	TWA: 100 PPM	IDLH: 800 PPM
		TWA: 435 MG/M3	TWA: 100 PPM
		(VACATED) TWA: 100 PPM	TWA: 435 MG/M3
		(VACATED) TWA: 435 MG/M3	STEL: 125 PPM
		(VACATED) STEL: 125 PPM	STEL: 545 MG/M3
		(VACATED) STEL: 545 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: LIGHT VANILLA SCENT SOLVENT

COLOR: COLORLESS

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHODS
PH	10	
MELTING/FREEZING POINT	NO INFORMATION AVAILABLE	
BOILING POINT/BOILING RANGE	NO INFORMATION AVAILABLE	
FLASH POINT	-97 DEG. C / -143 DEG. F	
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	1.31	
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(%) 30.16

MIR VALUE 1.09

-----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 DROWSINESS 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
XYLENE	= 3500 MG/KG (RAT)	>4350 MG/KG (RABBIT)	= 29.08 MG/L (RAT)

1330-20-7

4 H

HEXANE >5000 MG/KG (RAT) >3160 MG/KG (RABBIT) = 73680 PPM (RAT)
64742-49-0 4 H

ETHYL BENZENE = 15400 MG/KG (RABBIT)
100-41-4

HYDROTREATED >5000 MG/KG (RAT) >3160 MG/KG (RABBIT) -
HEAVY
NAPHTHENIC
64742-48-9

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:

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

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
XYLENE 1330-20-7		GROUP 3		
ETHYL BENZENE 100-41-4	A3	GROUP 2B		

ACGIH: (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS)

A2 - SUSPECTED HUMAN CARCINOGEN

A3 - ANIMAL CARCINOGEN

IARC: (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)

GROUP 1 - CARCINOGENIC TO HUMANS

GROUP 2B - POSSIBLY CARCINOGENIC TO HUMANS
GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS

OSHA: (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION)
X - PRESENT

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):
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

CHRONIC TOXICITY:
AVOID REPEATED EXPOSURE. PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

TARGET ORGAN EFFECTS: CENTRAL NERVOUS SYSTEM, EYES, 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:
0.03166% 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): 28665 MG/KG

ATEMIX (DERMAL): 9139 MG/KG

ATEMIX (INHALATION-DUST/MIST): 10.6 MG/L

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

ECOTOXICITY:

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH	TOXICITY TO MICROORGA-NISMS	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES
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PROPANE/
ISOBUTANE/
N-BUTANE

68476-86-8

XYLENE
1330-20-7

13.1 - 16.5 MG/L
LC50 LEPOMIS
MACROCHIRUS 96H
FLOW-THROUGH
13.5 - 17.3 MG/L
LC50 ONCORHYNCHUS
MYKISS 96H
2.661 - 4.093
MG/L LC50
ONCORHYNCHUS
MYKISS 96H STATIC
23.53 - 29.97
MG/L LC50
PIMEPHALES
PROMELAS 96H
STATIC 30.26 -
40.75 MG/L LC50
POECILIA
RETICULATA 96H
STATIC 7.711 -
9.591 MG/L LC50
LEPOMIS
MACROCHIRUS 96H
STATIC 13.4 MG/L
LC50 PIMEPHALES
PROMELAS 96H
FLOW-THROUGH 19
MG/L LC50 LEPOMIS
MACROCHIRUS 96H
780 MG/L LC50
CYPRINUS CARPIO
96H SEMI-STATIC
780 MG/L LC50
CYPRINUS CARPIO
96H

0.6 MG/L LC50
GAMMARUS
LACUSTRIS 48H
3.82 MG/L EC50
WATER FLEA 48H

NAPHTHENIC
OIL, SEVERLY
HYDROT
64742-52-5

5000 MG/L LC50
ONCORHYNCHUS
MYKISS 96H

1000 MG/L EC50
DAPHNIA MAGNA
48H

ETHYL BENZENE 4.6 MG/L EC50
100-41-4 PSEUDOKIRCHNE-
RIELLA
SUBCAPITATA 72H
438 MG/L EC50
PSEUDOKIRCHNE-
RIELLA
SUBCAPITATA 96H
2.6 - 11.3 MG/L
EC50

11.0 - 18.0 MG/L
LC50 ONCORHYNCHUS
MYKISS 96H STATIC
7.55 - 11 MG/L
LC50 PIMEPHALES
PROMELAS 96H
FLOW-THROUGH 9.1
- 15.6 MG/L LC50
PIMEPHALES
PROMELAS 96H

1.8 - 2.4 MG/L
EC50 DAPHNIA
MAGNA 48H

PSEUDOKIRCHNE- RIELLA	STATIC 32 MG/L LC50 LEPOMIS
SUBCAPITATA 72H	MACROCHIRUS 96H
STATIC 1.7 - 7.6 MG/L EC50	STATIC 4.2 MG/L LC50 ONCORHYNCHUS
PSEUDOKIRCHNE- RIELLA	MYKISS 96H
SUBCAPITATA 96H	SEMI-STATIC 9.6 MG/L LC50
STATIC	POECILIA RETICULATA 96H STATIC

HYDROTREATED
HEAVY
NAPHTHENIC
64742-48-9

2200 MG/L LC50
PIMEPHALES
PROMELAS 96H

ORGANOPHOS-
PATE
ESTER, ZINC
SALT
68649-42-3

1.0 - 5.0 MG/L
LC50 PIMEPHALES
PROMELAS 96H
STATIC 10.0 -
35.0 MG/L LC50
PIMEPHALES
PROMELAS 96H
SEMI-STATIC

1 - 1.5 MG/L
EC50 DAPHNIA
MAGNA 48H

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

CHEMICAL NAME	LOG POW
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
XYLENE 1330-20-7	3.15
ETHYL BENZENE 100-41-4	3.118

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, 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
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	NOT LISTED
XYLENE	X	X	X	X
NAPHTHENIC OIL, SEVERLY HYDROT	X	X	X	X
HEXANE	X	X	X	X
ETHYL BENZENE	X	X	X	X
HYDROTREATED HEAVY NAPHTHENIC	X	X	X	X
ORGANOPHOSPATE ESTER, ZINC SALT	X	X	X	NOT LISTED

CHEMICAL NAME	IECSC	KECL	PICCS	AICS
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	X
XYLENE	X	X	X	X
NAPHTHENIC OIL, SEVERLY HYDROT	X	X	X	X
HEXANE	X	X	X	X
ETHYL BENZENE	X	X	X	X
HYDROTREATED HEAVY NAPHTHENIC	X	X	X	X
ORGANOPHOSPATE ESTER, ZINC SALT	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 %
XYLENE - 1330-20-7	1330-20-7	10-20	1.0
ETHYL BENZENE - 100-41-4	100-41-4	1-10	0.1
ORGANOPHOSPATE ESTER, ZINC SALT - 68649-42-3	68649-42-3	0.1-1	1.0

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES

CHRONIC HEALTH HAZARD: YES

FIRE HAZARD: YES

REACTIVE HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: YES

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
XYLENE 1330-20-7	100 LB			X
ETHYL BENZENE 100-41-4	1000 LB	X	X	X
ORGANOPHOSPATE		X		

ESTER, ZINC
SALT
68649-42-3

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
XYLENE 1330-20-7	100 LB		RQ 100 LB FINAL RQ RQ 45.4 KG FINAL RQ
ETHYL BENZENE 100-41-4	1000 LB		RQ 1000 LB FINAL RQ RQ 454 KG FINAL RQ

U.S. STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS THE FOLLOWING PROPOSITION 65 CHEMICALS:

CHEMICAL NAME	CALIFORNIA PROP. 65
ETHYL BENZENE - 100-41-4	CARCINOGEN
TOLUENE - 108-88-3	DEVELOPMENTAL FEMALE REPRODUCTIVE
BENZENE - 71-43-2	CARCINOGEN DEVELOPMENTAL MALE REPRODUCTIVE

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

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
XYLENE 1330-20-7	X	X	X
ETHYL BENZENE 100-41-4	X	X	X
ORGANOPHOSPATE ESTER, ZINC SALT 68649-42-3	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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ISSUING DATE: 10-APR-2015

REVISION DATE: 15-JUN-2015

REVISION NOTE: NO INFORMATION AVAILABLE

DISCLAIMER:

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