

Chem-Impex International Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive
Wood Dale, IL 60191 USA

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive
Wood Dale, IL 60191 USA

S A F E T Y D A T A S H E E T

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	31593
NAME:	N,N-Dimethyl-N-octyloctan-1-aminium chloride
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA) 352-323-3500 (INTERNATIONAL)
TO REQUEST AN MSDS:	(800) 869-9290
CUSTOMER SERVICE:	(630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

ACUTE TOXICITY, ORAL (CATEGORY 3), H301

ACUTE TOXICITY, DERMAL (CATEGORY 2), H310

SKIN CORROSION/IRRITATION, (CATEGORY 1B), H314

SERIOUS EYE DAMAGE (CATEGORY 1), H318

HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD, (CATEGORY 1),
H400

HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD (CATEGORY 1),
H410

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS
PICTOGRAM**



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H301	TOXIC IF SWALLOWED.
H310	FATAL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H318	CAUSES SERIOUS EYE DAMAGE.
H400	VERY TOXIC TO AQUATIC LIFE.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT(S)

P260	DO NOT BREATHE DUST OR MIST.
P262	DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.
P264	WASH SKIN THOROUGHLY AFTER HANDLING.
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P280	WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P301 + P310 + P330	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. RINSE MOUTH.
P301 + P330 + P331	IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
P303 + P361 + P353	IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
P304 + P340 + P310	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.
P305 + P351 + P338 + P310	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.
P363	WASH CONTAMINATED CLOTHING BEFORE REUSE.
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

**HAZARDS NOT
OTHERWISE
CLASSIFIED (HNOC)
OR NOT COVERED
BY GHS** NONE

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: C₁₈H₄₀ClN

MW: 305.97

CAS-NO. 5538-94-3

PURITY: ≥ 80%

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
N,N-DIMETHYL-N-OCTYLOCTAN-1-AMINIUM CHLORIDE		
	NO DATA AVAILABLE	≤ 100 %

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	DO NOT LEAVE AFFECTED PERSON UNATTENDED. REMOVE VICTIM OUT OF THE DANGER AREA. KEEP AFFECTED PERSON WARM, STILL AND COVERED. TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. IN ALL CASES OF DOUBT, OR WHEN SYMPTOMS PERSIST, SEEK MEDICAL ADVICE. IN CASE OF UNCONSCIOUSNESS PLACE PERSON IN THE RECOVERY POSITION. NEVER GIVE ANYTHING BY MOUTH.
IF INHALED	IF BREATHING IS IRREGULAR OR STOPPED, IMMEDIATELY SEEK MEDICAL ASSISTANCE AND START FIRST AID ACTIONS. IN CASE OF RESPIRATORY TRACT IRRITATION, CONSULT A PHYSICIAN. PROVIDE FRESH AIR.
IN CASE OF SKIN CONTACT	RINSE SKIN WITH WATER/SHOWER.
IN CASE OF EYE CONTACT	REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IRRIGATE COPIOUSLY WITH CLEAN, FRESH WATER FOR AT LEAST 10 MINUTES, HOLDING THE EYELIDS APART.
IF SWALLOWED	RINSE MOUTH WITH WATER (ONLY IF THE PERSON IS CONSCIOUS). DO NOT INDUCE VOMITING.
MOST IMPORTANT SYMPTOMS AND	SYMPTOMS AND EFFECTS ARE NOT KNOWN TO DATE.

**EFFECTS, BOTH ACUTE
AND DELAYED**

**INDICATION OF ANY
IMMEDIATE MEDICAL
ATTENTION AND
SPECIAL TREATMENT
NEEDED**

NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

**SUITABLE
EXTINGUISHING MEDIA**

SUITABLE EXTINGUISHING MEDIA
WATER, FOAM, ABC-POWDER

UNSUITABLE EXTINGUISHING MEDIA
WATER JET

**SPECIAL HAZARDS
ARISING FROM THE
SUBSTANCE OR
MIXTURE**

DEPOSITED COMBUSTIBLE DUST HAS CONSIDERABLE
EXPLOSION POTENTIAL.

**HAZARDOUS
COMBUSTION
PRODUCTS**

NITROGEN OXIDES (NOX),
CARBON MONOXIDE (CO),
CARBON DIOXIDE (CO2)

**SPECIFIC
EXTINGUISHING
METHODS**

NO DATA AVAILABLE

**ADVICE FOR
FIREFIGHTERS**

IN CASE OF FIRE AND/OR EXPLOSION DO NOT BREATHE
FUMES. CO-ORDINATE FIREFIGHTING MEASURES TO
THE FIRE SURROUNDINGS. DO NOT ALLOW
FIREFIGHTING WATER TO ENTER DRAINS OR WATER
COURSES. COLLECT CONTAMINATED FIREFIGHTING
WATER SEPARATELY. FIGHT FIRE WITH NORMAL
PRECAUTIONS FROM A REASONABLE DISTANCE.

**SPECIAL PROTECTIVE
EQUIPMENT FOR
FIREFIGHTERS**

STAY IN DANGER AREA ONLY WITH SELF-CONTAINED
BREATHING APPARATUS. PREVENT SKIN CONTACT BY
KEEPING A SAFE DISTANCE OR BY WEARING SUITABLE
PROTECTIVE CLOTHING.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL

FOR NON-EMERGENCY PERSONNEL

PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	REMOVE PERSONS TO SAFETY. FOR EMERGENCY RESPONDERS WEAR BREATHING APPARATUS IF EXPOSED TO VAPOURS/DUST/SPRAY/GASES.
ENVIRONMENTAL PRECAUTIONS	KEEP AWAY FROM DRAINS, SURFACE AND GROUND WATER. RETAIN CONTAMINATED WASHING WATER AND DISPOSE OF IT. IF SUBSTANCE HAS ENTERED A WATER COURSE OR SEWER, INFORM THE RESPONSIBLE AUTHORITY.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	ADVISES ON HOW TO CONTAIN A SPILL COVERING OF DRAINS, TAKE UP MECHANICALLY ADVISES ON HOW TO CLEAN UP A SPILL TAKE UP MECHANICALLY. OTHER INFORMATION RELATING TO SPILLS AND RELEASES PLACE IN APPROPRIATE CONTAINERS FOR DISPOSAL. VENTILATE AFFECTED AREA.
REFERENCE TO OTHER SECTIONS	HAZARDOUS COMBUSTION PRODUCTS: SEE SECTION 5. PERSONAL PROTECTIVE EQUIPMENT: SEE SECTION 8. INCOMPATIBLE MATERIALS: SEE SECTION 10. DISPOSAL CONSIDERATIONS: SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	RECOMMENDATIONS –MEASURES TO PREVENT FIRE AS WELL AS AEROSOL AND DUST GENERATION: USE LOCAL AND GENERAL VENTILATION. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. USE ONLY IN WELL-VENTILATED AREAS. GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. - SPECIFIC NOTES/DETAILS: DUST DEPOSITS MAY ACCUMULATE ON ALL DEPOSITION SURFACES IN A TECHNICAL ROOM. THE PRODUCT IN THE DELIVERED FORM IS NOT DUST EXPLOSION CAPABLE; THE ENRICHMENT OF FINE DUST HOWEVER LEADS TO THE DANGER OF DUST EXPLOSION. ADVICE ON GENERAL OCCUPATIONAL HYGIENE: WASH HANDS AFTER USE. DO NOT EAT, DRINK AND SMOKE IN WORK AREAS. REMOVE CONTAMINATED CLOTHING AND PROTECTIVE EQUIPMENT BEFORE ENTERING EATING AREAS. NEVER KEEP FOOD OR DRINK IN THE VICINITY OF CHEMICALS. NEVER PLACE CHEMICALS IN CONTAINERS THAT ARE NORMALLY
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USED FOR FOOD OR DRINK. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

MANAGING OF ASSOCIATED RISKS

- EXPLOSIVE ATMOSPHERES
REMOVAL OF DUST DEPOSITS.
- VENTILATION REQUIREMENTS
USE LOCAL AND GENERAL VENTILATION.
- PACKAGING COMPATIBILITIES
ONLY PACKAGINGS WHICH ARE APPROVED (E.G. ACC. TO ADR) MAY BE USED.

STORE AT RT

SPECIFIC END USE(S)

APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMIT VALUES (WORKPLACE EXPOSURE LIMITS)

NAME OF AGENT	IDENTIFIER	TWA [MG/M ³]	SOURCE
DUST	WEL	10	EH40/ 2005
DUST	WEL	4	EH40/ 2005

HUMAN HEALTH VALUES

ENDPOINT	THRESHOLD LEVEL	PROTECTION GOAL, ROUTE OF EXPOSURE	USED IN	EXPOSURE TIME
DNEL	18.79 MG/M ³	HUMAN, INHALATORY	WORKER (INDUSTRY)	CHRONIC - SYSTEMIC EFFECTS
DNEL	18.79 MG/M ³	HUMAN, INHALATORY	WORKER (INDUSTRY)	ACUTE - SYSTEMIC EFFECTS
DNEL	2.67 MG/KG BW/ DAY	HUMAN, DERMAL	WORKER (INDUSTRY)	CHRONIC - SYSTEMIC EFFECTS

ENVIRONMENTAL VALUES

RELEVANT PNECS AND OTHER THRESHOLD LEVELS

ENDPOINT	THRESHOLD LEVEL	ORGANISM	ENVIRONMENTAL COMPARTMENT	EXPOSURE TIME
PNEC	1 µG/L	AQUATIC ORGANISMS	FRESHWATER	SHORT-TERM (SINGLE INSTANCE)
PNEC	0.1 µG/L	AQUATIC ORGANISMS	MARINE WATER	SHORT-TERM (SINGLE INSTANCE)

PNEC	500 µG/L	AQUATIC ORGANISMS	SEWAGE TREATMENT PLANT (STP)	SHORT-TERM (SINGLE INSTANCE)
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EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU). TIGHTLY FITTING SAFETY GOGGLES

SKIN PROTECTION

PROTECTIVE CLOTHING

BODY PROTECTION

COMPLETE SUIT PROTECTING AGAINST CHEMICALS, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

HAND PROTECTION

MATERIAL : NITRILE RUBBER
BREAK THROUGH TIME : 480 MIN
GLOVE THICKNESS : 0.11 MM
PROTECTIVE INDEX : FULL CONTACT
MANUFACTURER : KCL 741 DERMATRIL® L

MATERIAL : NITRILE RUBBER
BREAK THROUGH TIME : 480 MIN
GLOVE THICKNESS : 0.11 MM
PROTECTIVE INDEX : SPLASH CONTACT
MANUFACTURER : KCL 741 DERMATRIL® L

REMARKS : THIS RECOMMENDATION APPLIES ONLY TO THE PRODUCT STATED IN THE SAFETY DATA SHEET, SUPPLIED BY US AND FOR THE DESIGNATED USE.

RESPIRATORY PROTECTION

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

**CONTROL OF
ENVIRONMENTAL
EXPOSURE**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE
TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	COLORLESS TO LIGHT YELLOW TRANSPARENT LIQUID
ODOUR	CHARACTERISTIC
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	NO DATA AVAILABLE
MELTING	16 - 32 °C
POINT/FREEZING POINT	
INITIAL BOILING POINT	176 – 209 °C
AND BOILING RANGE	
FLASH POINT	NO DATA AVAILABLE
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	THIS MATERIAL IS COMBUSTIBLE, BUT WILL NOT IGNITE READILY
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR EXPLOSIVE LIMITS	
VAPOUR PRESSURE	0.001 PA AT 20 °C
VAPOUR DENSITY	0.925 – 0.928 G /CM ³ AT 20 °C
RELATIVE DENSITY	0.792 G/CM ³ (68 °F / 20 °C)
WATER SOLUBILITY	250 MG/L AT 25 °C
PARTITION	NO DATA AVAILABLE
COEFFICIENT: N- OCTANOL/WATER	
AUTO-IGNITION	≥ 400 °C (ECHA)
TEMPERATURE	
DECOMPOSITION	208.5 °C
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE	NO DATA AVAILABLE
PROPERTIES	
OXIDIZING PROPERTIES	NO DATA AVAILABLE
SURFACE TENSION	36.5 MN/M (25 °C) (ECHA)
OTHER SAFETY INFORMATION	NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	CONCERNING INCOMPATIBILITY: SEE BELOW "CONDITIONS TO AVOID" AND "INCOMPATIBLE MATERIALS"
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CHEMICAL STABILITY	SEE BELOW "CONDITIONS TO AVOID".
POSSIBILITY OF HAZARDOUS REACTIONS	NO KNOWN HAZARDOUS REACTIONS.
CONDITIONS TO AVOID	THERE ARE NO SPECIFIC CONDITIONS KNOWN WHICH HAVE TO BE AVOIDED. HINTS TO PREVENT FIRE OR EXPLOSION THE PRODUCT IN THE DELIVERED FORM IS NOT DUST EXPLOSION CAPABLE; THE ENRICHMENT OF FINE DUST HOWEVER LEADS TO THE DANGER OF DUST EXPLOSION.
INCOMPATIBLE MATERIALS	OXIDISERS
HAZARDOUS DECOMPOSITION PRODUCTS	REASONABLY ANTICIPATED HAZARDOUS DECOMPOSITION PRODUCTS PRODUCED AS A RESULT OF USE, STORAGE, SPILL AND HEATING ARE NOT KNOWN. HAZARDOUS COMBUSTION PRODUCTS: SEE SECTION 5.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	TOXIC IF SWALLOWED. FATAL IN CONTACT WITH SKIN. ORAL: 238 MG/KG INHALATION: NO DATA AVAILABLE DERMAL: 238 MG/KG NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
SERIOUS EYE DAMAGE/EYE IRRITATION	CAUSES SERIOUS EYE DAMAGE.
RESPIRATORY OR SKIN SENSITISATION	SHALL NOT BE CLASSIFIED AS A RESPIRATORY OR SKIN SENSITISER.
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY IARC:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS

NTP:	IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC. NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.
REPRODUCTIVE TOXICITY	SHALL NOT BE CLASSIFIED AS A REPRODUCTIVE TOXICANT.
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	SHALL NOT BE CLASSIFIED AS A SPECIFIC TARGET ORGAN TOXICANT (SINGLE EXPOSURE).
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	SHALL NOT BE CLASSIFIED AS A SPECIFIC TARGET ORGAN TOXICANT (REPEATED EXPOSURE).
ASPIRATION HAZARD	SHALL NOT BE CLASSIFIED AS PRESENTING AN ASPIRATION HAZARD.
ADDITIONAL INFORMATION	RTECS: NOT AVAILABLE TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

AQUATIC TOXICITY (ACUTE)

ENDPOINT	VALUE	SPECIES	EXPOSURE TIME
LC50	0.7 MG/L	FISH	96 H
EC50	0.066 MG/L	AQUATIC INVERTEBRATES	48 H
ERC50	≥0.122 MG/	ALGAE	72 H

AQUATIC TOXICITY (CHRONIC)

ENDPOINT	VALUE	SPECIES	EXPOSURE TIME
EC50	0.077 MG/L	AQUATIC INVERTEBRATES	21 D

PERSISTENCE AND DEGRADABILITY

PROCESS OF DEGRADABILITY

PROCESS	DEGRADATION RATE	TIME
OXYGEN DEPLETION	≥33 %	7 D
CARBON DIOXIDE GENERATION	96 %	28 D

BIOACCUMULATIVE POTENTIAL

NO DATA AVAILABLE

MOBILITY IN SOIL

NO DATA AVAILABLE

RESULTS OF PBT AND VPVB ASSESSMENT

PBT/VPVB ASSESSMENT NOT AVAILABLE AS
CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

OTHER ADVERSE EFFECTS

NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

SEWAGE DISPOSAL-RELEVANT INFORMATION

DO NOT EMPTY INTO DRAINS. AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

WASTE TREATMENT OF CONTAINERS/PACKAGINGS

IT IS A DANGEROUS WASTE; ONLY PACKAGINGS WHICH ARE APPROVED (E.G. ACC. TO ADR) MAY BE USED. COMPLETELY EMPTIED PACKAGES CAN BE RECYCLED. HANDLE CONTAMINATED PACKAGES IN THE SAME WAY AS THE SUBSTANCE ITSELF.

REMARKS

PLEASE CONSIDER THE RELEVANT NATIONAL OR REGIONAL PROVISIONS. WASTE SHALL BE SEPARATED INTO THE CATEGORIES THAT CAN BE HANDLED SEPARATELY BY THE LOCAL OR NATIONAL WASTE MANAGEMENT FACILITIES.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S. (N,N-DIMETHYL-N-OCTYLOCTAN-1-AMINIUM CHLORIDE)

UN NUMBER: 2928

CLASS: 6.1 (8)

PACKING GROUP: II

REPORTABLE QUANTITY (RQ): 500 G

ENVIRONMENTAL HAZARDS YES

IMDG

PROPER SHIPPING NAME: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S. (N,N-DIMETHYL-N-OCTYLOCTAN-1-AMINIUM CHLORIDE)
UN NUMBER: 2928
CLASS: 6.1 (8)
PACKING GROUP: II
EMS-NO: F-A, S-B
MARINE POLLUTANT YES

IATA

PROPER SHIPPING NAME: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S. (N,N-DIMETHYL-N-OCTYLOCTAN-1-AMINIUM CHLORIDE)
UN NUMBER: 2928
CLASS: 6.1 (8)
PACKING GROUP: II
ENVIRONMENTAL HAZARDS YES

SPECIAL PRECAUTIONS FOR USER

THE TRANSPORT CLASSIFICATION(S) PROVIDED HEREIN ARE FOR INFORMATIONAL PURPOSES ONLY, AND SOLELY BASED UPON THE PROPERTIES OF THE UNPACKAGED MATERIAL AS IT IS DESCRIBED WITHIN THIS SAFETY DATA SHEET. TRANSPORTATION CLASSIFICATIONS MAY VARY BY MODE OF TRANSPORTATION, PACKAGE SIZES, AND VARIATIONS IN REGIONAL OR COUNTRY REGULATIONS.

SECTION 15. REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES THRESHOLD PLANNING QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 302 EHS TPQ.

SARA 313

THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

US STATE REGULATIONS

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.

MAINE CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

VERMONT CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

WASHINGTON CHEMICALS OF HIGH CONCERN
PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA ALL SUBSTANCES LISTED AS ACTIVE ON THE TSCA INVENTORY

TSCA LIST

NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.

NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

CHEMICAL SAFETY ASSESSMENT

NO CHEMICAL SAFETY ASSESSMENT HAS BEEN CARRIED OUT FOR THIS SUBSTANCE.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H301	TOXIC IF SWALLOWED.
H310	FATAL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H318	CAUSES SERIOUS EYE DAMAGE.
H400	VERY TOXIC TO AQUATIC LIFE.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

MSDS LEGEND

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGINISTS
CAS:	CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL **CHI** BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL,

INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES,
HOWSOEVER ARISING, EVEN IF **CII** HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

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