# Chem-Impex International Inc.

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# SAFETY DATA SHEET

### SECTION 1. CHEMICAL IDENTIFICATION

22848 CATALOG #:

NAME: Mercury(I) chloride

SYNONYMS: Mercurous 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 4), H312 SKIN IRRITATION (CATEGORY 2), H315

EYE IRRITATION (CATEGORY 2A), H319

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3), RESPIRATORY SYSTEM, H335 SHORT-TERM (ACUTE) AQUATIC HAZARD (CATEGORY 1), H400 LONG-TERM (CHRONIC) AQUATIC 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

P405



SIGNAL WORD **DANGER** 

# HAZARD STATEMENT(S)

	· <del></del> · - (~)
H301	TOXIC IF SWALLOWED.
H312	HARMFUL IN CONTACT WITH SKIN.
H315	CAUSES SKIN IRRITATION.
H319	CAUSES SERIOUS EYE IRRITATION.
H335	MAY CAUSE RESPIRATORY IRRITATION.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING
	EFFECTS.

PRECAUTIONARY STATEMENT(S)				
P261	AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/			
1201	SPRAY.			
P264	WASH SKIN THOROUGHLY AFTER HANDLING.			
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS			
	PRODUCT.			
P271	USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.			
P273	AVOID RELEASE TO THE ENVIRONMENT.			
P280	WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE			
	PROTECTION/ FACE PROTECTION.			
P301 + P310 + P330	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/			
	DOCTOR. RINSE MOUTH.			
P302 + P352 + P312	IF ON SKIN: WASH WITH PLENTY OF WATER.CALL A POISON			
	CENTER/ DOCTOR IF YOU FEEL UNWELL.			
P304 + P340 + P312	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP			
	COMFORTABLE FOR BREATHING. CALL A POISON CENTER/			
	DOCTOR IF YOU FEEL UNWELL.			
P305 + P351 + P338	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL			
	MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND			
	EASY TO DO. CONTINUE RINSING.			
P332 + P313	IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/			
	ATTENTION.			
P337 + P313	IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/			
	ATTENTION.			
P362	TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE			
	REUSE.			
P391	COLLECT SPILLAGE.			
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER			

TIGHTLY CLOSED.

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:  $Hg_2Cl_2$ 

MW: 472.09

CAS-NO. 10112-91-1

PURITY:  $\geq 99.5\%$  (ASSAY BY TITRATION)

COMPONENT	CLASSIFICATION	CONCENTRATION					
MERCURY(I) CHLORIDE							
	ACUTE TOX. 3; ACUTE TOX. 4;	<= 100 %					
	SKIN IRRIT. 2; EYE IRRIT. 2A;						
	STOT SE 3; AQUATIC ACUTE						
	1; AQUATIC CHRONIC 1; H301,						
	H312, H315, H319, H335, H400,						
	H410 M-FACTOR - AQUATIC						
	ACUTE: 100 - AQUATIC						
	CHRONIC: 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 SHOW THIS MATERIAL SAFETY DATA SHEET TO THE

DOCTOR IN ATTENDANCE.

**IF INHALED** AFTER INHALATION: FRESH AIR.

IN CASE OF SKIN IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY

**CONTACT** ALL CONTAMINATED CLOTHING. RINSE SKIN WITH

WATER/ SHOWER. CONSULT A PHYSICIAN.

IN CASE OF EYE

AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF

WATER. CALL IN OPHTHALMOLOGIST. REMOVE

#### CONTACT LENSES.

IF SWALLOWED: GIVE WATER TO DRINK (TWO GLASSES

AT MOST). SEEK MEDICAL ADVICE IMMEDIATELY. IN EXCEPTIONAL CASES ONLY, IF MEDICAL CARE IS NOT AVAILABLE WITHIN ONE HOUR, INDUCE VOMITING (ONLY IN PERSONS WHO ARE WIDE AWAKE AND FULLY CONSCIOUS), ADMINISTER ACTIVATED CHARCOAL (20 - 40 G IN A 10% SLURRY) AND CONSULT A DOCTOR AS

QUICKLY AS POSSIBLE.

MOST IMPORTANT SYMPTOMS AND

EFFECTS, BOTH ACUTE AND DELAYED

THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE

S, BOTH ACUTE SECTION 2.2) AND/OR IN SECTION 11.

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

USE EXTINGUISHING MEASURES THAT ARE

APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE

SURROUNDING ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA

FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF

EXTINGUISHING AGENTS ARE GIVEN.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OF

SUBSTANCE OR MIXTURE NOT COMBUSTIBLE.

AMBIENT FIRE MAY LIBERATE HAZARDOUS VAPOURS.

NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

ADVICE 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.

FURTHER INFORMATION

SUPPRESS (KNOCK DOWN) GASES/VAPORS/MISTS WITH A WATER SPRAY JET. PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR

THE GROUND WATER SYSTEM.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL
PRECAUTIONS,
PROTECTIVE
EQUIPMENT AND
EMERGENCY
PROCEDURES

ADVICE FOR NON-EMERGENCY PERSONNEL: AVOID INHALATION OF DUSTS. AVOID SUBSTANCE CONTACT. ENSURE ADEQUATE VENTILATION. EVACUATE THE DANGER AREA, OBSERVE EMERGENCY PROCEDURES,

CONSULT AN EXPERT.

FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS

DO NOT LET PRODUCT ENTER DRAINS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS. OBSERVE POSSIBLE MATERIAL RESTRICTIONS (SEE SECTIONS 7 AND 10). TAKE UP CAREFULLY. DISPOSE OF PROPERLY. CLEAN UP AFFECTED AREA. AVOID

GENERATION OF DUSTS.

REFERENCE TO OTHER SECTIONS

**REFERENCE TO OTHER** FOR DISPOSAL SEE SECTION 13.

# SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

FOR PRECAUTIONS SEE SECTION 2.2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY TIGHTLY CLOSED. DRY. KEEP IN A WELL-VENTILATED PLACE. KEEP LOCKED UP OR IN AN AREA ACCESSIBLE ONLY TO QUALIFIED OR AUTHORIZED PERSONS.

INCOMPATIBILITIES

PRODUCT IS SENSITIVE TO LIGHT AND MOISTURE.

STORAGE CLASS STORAGE CLASS (TRGS 510): 6.1C: COMBUSTIBLE, ACUTE TOXIC CAT.3 / TOXIC COMPOUNDS OR COMPOUNDS WHICH CAUSING CHRONIC EFFECTS

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** 

# INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS		
			PARAMETERS			
MERCURY(I)	10112-91- 1	TWA	0.025 MG/M3	USA. ACGIH THRESHOLD		
CHLORIDE				LIMIT VALUES (TLV)		
	REMARKS	NOT CLASSIFIABLE AS A HUMAN CARCINOGEN				
		DANGER OF CUTANEOUS ABSORPTION				
		TWA	0.05 MG/M3	USA. NIOSH RECOMMENDED		
				EXPOSURE LIMITS		
		POTENTIAL FOR DERMAL ABSORPTION				
		С	0.1 MG/M3	USA. NIOSH RECOMMENDED		
				EXPOSURE LIMITS		
		POTENTIAL FOR DERMAL ABSORPTION				
		PEL	0.025 MG/M3	CALIFORNIA PERMISSIBLE		
				EXPOSURE LIMITS FOR		
				CHEMICAL CONTAMINANTS		
				(TITLE 8, ARTICLE 107)		
		SKIN				
		С	0.1 MG/M3	CALIFORNIA PERMISSIBLE		
				EXPOSURE LIMITS FOR		
				CHEMICAL CONTAMINANTS		
				(TITLE 8, ARTICLE 107)		
		SKIN				

# **EXPOSURE CONTROLS**

APPROPRIATEIMMEDIATELY CHANGE CONTAMINATED CLOTHING.ENGINEERINGAPPLY PREVENTIVE SKIN PROTECTION. WASH HANDSCONTROLSAND FACE AFTER WORKING WITH SUBSTANCE.

# PERSONAL PROTECTIVE EQUIPMENT

**EYE/FACE** USE EQUIPMENT FOR EYE PROTECTION TESTED AND **PROTECTION** APPROVED UNDER APPROPRIATE GOVERNMENT

STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

SAFETY GLASSES

# **SKIN PROTECTION**

THIS RECOMMENDATION APPLIES ONLY TO THE PRODUCT STATED IN THE SAFETY DATA SHEET, SUPPLIED BY US AND FOR THE DESIGNATED USE. WHEN DISSOLVING IN OR MIXING WITH OTHER SUBSTANCES AND UNDER CONDITIONS DEVIATING FROM THOSE STATED IN EN374 PLEASE CONTACT THE SUPPLIER OF CE-APPROVED GLOVES.

**FULL CONTACT** 

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

**BREAK THROUGH TIME: 480 MIN** 

MATERIAL TESTED:KCL 741 DERMATRIL® L

THIS RECOMMENDATION APPLIES ONLY TO THE PRODUCT STATED IN THE SAFETY DATA SHEET, SUPPLIED BY US AND FOR THE DESIGNATED USE. WHEN DISSOLVING IN OR MIXING WITH OTHER SUBSTANCES AND UNDER CONDITIONS DEVIATING FROM THOSE STATED IN EN374 PLEASE CONTACT THE SUPPLIER OF CE-APPROVED GLOVES.

SPLASH CONTACT

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

**BREAK THROUGH TIME: 480 MIN** 

MATERIAL TESTED: KCL 741 DERMATRIL® L

#### **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.

RESPIRATORY PROTECTION

REQUIRED WHEN DUSTS ARE GENERATED. OUR RECOMMENDATIONS ON FILTERING RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING

ACCOMPANYING STANDARDS RELATING TO THE USED

STANDARDS: DIN EN 143, DIN 14387 AND OTHER

RESPIRATORY PROTECTION SYSTEM.

CONTROL OF ENVIRONMENTAL EXPOSURE DO NOT LET PRODUCT ENTER DRAINS.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE White to off-white powder ODOUR NO DATA AVAILABLE ODOUR THRESHOLD NO DATA AVAILABLE PH NO DATA AVAILABLE

MELTING NO DATA AVAILABLE

POINT/FREEZING POINT

INITIAL BOILING POINT NO DATA AVAILABLE

AND BOILING RANGE

FLASH POINT NO DATA AVAILABLE EVAPORATION RATE NO DATA AVAILABLE FLAMMABILITY (SOLID, NO DATA AVAILABLE

GAS)

UPPER/LOWER NO DATA AVAILABLE

FLAMMABILITY OR EXPLOSIVE LIMITS

VAPOUR PRESSURE NO DATA AVAILABLE VAPOUR DENSITY NO DATA AVAILABLE RELATIVE DENSITY NO DATA AVAILABLE WATER SOLUBILITY NO DATA AVAILABLE

PARTITION NOT APPLICABLE FOR INORGANIC SUBSTANCES

COEFFICIENT: N-OCTANOL/WATER

AUTO-IGNITION NO DATA AVAILABLE

TEMPERATURE

DECOMPOSITION NO DATA AVAILABLE

**TEMPERATURE** 

VISCOSITY NO DATA AVAILABLE EXPLOSIVE NO DATA AVAILABLE

**PROPERTIES** 

OXIDIZING PROPERTIES NO DATA AVAILABLE

#### OTHER SAFETY INFORMATION

NO DATA AVAILABLE

### SECTION 10. STABILITY AND REACTIVITY

**REACTIVITY** NO DATA AVAILABLE

CHEMICAL STABILITY THE PRODUCT IS CHEMICALLY STABLE UNDER

STANDARD AMBIENT CONDITIONS (ROOM

TEMPERATURE).

**POSSIBILITY OF** RISK OF EXPLOSION WITH:

HAZARDOUS VIOLENT REACTIONS POSSIBLE WITH:

**REACTIONS** FLUORINE

**ALKALI METALS** 

**BASES** 

**CONDITIONS TO** 

AVOID

AVOID MOISTURE.

INCOMPATIBLE

**MATERIALS** 

NO DATA AVAILABLE

# HAZARDOUS DECOMPOSITION PRODUCTS

#### IN THE EVENT OF FIRE: SEE SECTION 5

#### SECTION 11. TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY LD50 ORAL - RAT - 210 MG/KG

REMARKS: (RTECS)

INHALATION: NO DATA AVAILABLE

LD50 DERMAL - RAT - 1,500 MG/KG

REMARKS: (RTECS)

NO DATA AVAILABLE

**SKIN** NO DATA AVAILABLE

CORROSION/IRRITATION

SERIOUS EYE DAMAGE/EYE

IRRITATION

NO DATA AVAILABLE

RESPIRATORY OR SKIN

SENSITISATION

NO DATA AVAILABLE

GERM CELL MUTAGENICITY NO DATA AVAILABLE

**CARCINOGENICITY** 

IARC: NO INGREDIENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS

IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED

HUMAN CARCINOGEN BY IARC.

NTP: NO INGREDIENT 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 ON

OSHA'S LIST OF REGULATED CARCINOGENS.

REPRODUCTIVE TOXICITY

NO DATA AVAILABLE

**SPECIFIC TARGET** MAY CAUSE RESPIRATORY IRRITATION.

ORGAN TOXICITY - REMARKS: CLASSIFIED ACCORDING TO REGULATION

**SINGLE EXPOSURE** (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2)

SPECIFIC TARGET ORGAN TOXICITY -REPEATED EXPOSURE NO DATA AVAILABLE

ASPIRATION HAZARD

NO DATA AVAILABLE

ADDITIONAL INFORMATION

RTECS: OV8740000

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE

NOT BEEN THOROUGHLY INVESTIGATED.

STOMACH - IRREGULARITIES - BASED ON HUMAN

**EVIDENCE** 

#### SECTION 12. ECOLOGICAL INFORMATION

**TOXICITY** 

TOXICITY TO FISH LC50 - LEUCISCUS IDUS (GOLDEN ORFE) - 0.5 MG/L - 48

Η

REMARKS: (EXTERNAL MSDS)

TOXICITY TO DAPHNIA AND OTHER AQUATIC

48 H

INVERTEBRATES

ATES REMARKS: (ECOTOX DATABASE)

PERSISTENCE AND DEGRADABILITY

EC50 - DAPHNIA MAGNA (WATER FLEA) - 0.002 MG/L -

EC50 - DAPHNIA MAGNA (WATER FLEA) - 0.002 MG/L -

48 H REMARKS: (ECOTOX DATABASE)

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

**PRODUCT** WASTE MATERIAL MUST BE DISPOSED OF IN

ACCORDANCE WITH THE NATIONAL AND LOCAL REGULATIONS. LEAVE CHEMICALS IN ORIGINAL

CONTAINERS. NO MIXING WITH OTHER WASTE. HANDLE UNCLEANED CONTAINERS LIKE THE PRODUCT ITSELF.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

# SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: MERCURY COMPOUNDS, SOLID, N.O.S. (MERCURY(I)

CHLORIDE)

UN NUMBER: 2025 CLASS: 6.1 PACKING GROUP: III

REPORTABLE QUANTITY

(RQ):

MARINE POLLUTANT: YES POISON INHALATION NO

HAZARD:

**IMDG** 

PROPER SHIPPING NAME: MERCURY COMPOUNDS, SOLID, N.O.S. (MERCURY(I)

CHLORIDE)

UN NUMBER: 2025
CLASS: 6.1
PACKING GROUP: III
MARINE POLLUTANT: YES
EMS-NO: F-A, S-A

**IATA** 

PROPER SHIPPING NAME: MERCURY COMPOUNDS, SOLID, N.O.S. (MERCURY(I)

CHLORIDE)

UN NUMBER: 2025 CLASS: 6.1 PACKING GROUP: III

#### SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS THIS MATERIAL DOES NOT CONTAIN ANY

COMPONENTS WITH A SECTION 302 EHS TPQ.

SARA 313 COMPONENTS THE FOLLOWING COMPONENTS ARE SUBJECT TO

REPORTING LEVELS ESTABLISHED BY SARA TITLE III.

SECTION 313:

CAS-NO. REVISION DATE

MERCURY(I) CHLORIDE 10112-91-1

SARA 311/312 HAZARDS ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

#### MASSACHUSETTS RIGHT TO KNOW COMPONENTS

NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT

#### PENNSYLVANIA RIGHT TO KNOW COMPONENTS

CAS-NO. REVISION DATE

MERCURY(I) CHLORIDE 10112-91-1

#### **CALIFORNIA PROP. 65 COMPONENTS**

WHICH IS/ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

FOR MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV.MERCURY(I) CHLORIDE

CAS-NO. REVISION DATE

MERCURY(I) CHLORIDE 10112-91-1

#### SECTION 16. OTHER INFORMATION

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

H301 TOXIC IF SWALLOWED.

H312 HARMFUL IN CONTACT WITH SKIN.

H315 CAUSES SKIN IRRITATION.

H319 CAUSES SERIOUS EYE IRRITATION.
H335 MAY CAUSE RESPIRATORY IRRITATION.

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 GOVERNMENENTAL 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:

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VERSION: 3.2. REVISION DATE: 01/29/2025