

# ***Chem-Impex International Inc.***

---

**Tel: (630) 766-2112**

E-mail: [sales@chemimpex.com](mailto:sales@chemimpex.com)

**Shipping and Correspondence:**

935 Dillon Drive  
Wood Dale, IL 60191 USA

**Fax: (630) 766-2218**

Web site: [www.chemimpex.com](http://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 #:                      | 38926   |
| NAME:                           | Methyl decanoate  |
| SYNONYMS:                       | Decanoic acid methyl ester                              |
| 24 HOUR EMERGENCY<br>TELEPHONE: | (800) 535-5053(USA)<br><br>352-323-3500 (INTERNATIONAL) |
| TO REQUEST AN MSDS:             | (800) 869-9290  |
| CUSTOMER<br>SERVICE:            | (630) 766-2112  |

---

### **SECTION 2.   HAZARDS IDENTIFICATION**

---

#### **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

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

SHORT-TERM (ACUTE) AQUATIC HAZARD (CATEGORY 1), H400

LONG-TERM (CHRONIC) AQUATIC HAZARD (CATEGORY 2), H411

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

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

PICTOGRAM



SIGNAL WORD

WARNING

**HAZARD STATEMENT(S)**

H400

VERY TOXIC TO AQUATIC LIFE.

H411

TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**PRECAUTIONARY STATEMENT(S)**

P273

AVOID RELEASE TO THE ENVIRONMENT.

P391

COLLECT SPILLAGE.

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:  $C_{11}H_{22}O_2$

MW: 186.3

CAS-NO. 110-42-9

PURITY:  $\geq 98\%$  (GC)

| COMPONENT               | CLASSIFICATION  | CONCENTRATION |
|-------------------------|---|---------------|
| <b>METHYL DECANOATE</b> |   |               |
|                         | AQUATIC ACUTE 1; AQUATIC CHRONIC 2; H400, H411 M-FACTOR - AQUATIC ACUTE: 10 | $\leq 100\%$  |

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**

|   |  |
|---|--|
| <b>GENERAL ADVICE</b>   | CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.  |
| <b>IF INHALED</b>   | AFTER INHALATION: FRESH AIR.   |
| <b>IN CASE OF SKIN CONTACT</b>  | IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.  |
| <b>IN CASE OF EYE CONTACT</b>   | AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. REMOVE CONTACT LENSES.  |
| <b>IF SWALLOWED</b>   | AFTER SWALLOWING: CAUTION IF VICTIM VOMITS. RISK OF ASPIRATION! KEEP AIRWAYS FREE. PULMONARY FAILURE POSSIBLE AFTER ASPIRATION OF VOMIT. CALL A PHYSICIAN IMMEDIATELY. |
| <b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>                | THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11.   |
| <b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b> | NO DATA AVAILABLE  |

---

## SECTION 5. FIRE AND EXPLOSION DATA

---

### EXTINGUISHING MEDIA

|  |   |
|--|---|
| <b>SUITABLE EXTINGUISHING MEDIA</b>                          | SUITABLE EXTINGUISHING MEDIA<br>CARBON DIOXIDE (CO <sub>2</sub> ) FOAM DRY POWDER   |
|  | UNSUITABLE EXTINGUISHING MEDIA<br>FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF EXTINGUISHING AGENTS ARE GIVEN.  |
| <b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b> | CARBON OXIDES<br>COMBUSTIBLE.<br>VAPORS ARE HEAVIER THAN AIR AND MAY SPREAD ALONG FLOORS.<br>FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE HEATING.<br>DEVELOPMENT OF HAZARDOUS COMBUSTION GASES OR VAPOURS POSSIBLE IN THE EVENT OF FIRE. |
| <b>ADVICE FOR FIREFIGHTERS</b>                               | IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.  |
| <b>FURTHER</b>   | PREVENT FIRE EXTINGUISHING WATER FROM   |

**INFORMATION**

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: DO NOT BREATHE VAPORS, AEROSOLS. 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 WITH LIQUID-ABSORBENT MATERIAL (E.G. CHEMIZORB® ). DISPOSE OF PROPERLY. CLEAN UP AFFECTED AREA.

**REFERENCE TO OTHER SECTIONS**

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 INCOMPATIBILITIES**

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.  
KEEP IN A DRY PLACE TIGHTLY CLOSED.

STORAGE CLASS (TRGS 510): 10: COMBUSTIBLE LIQUIDS

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**

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

## **EXPOSURE CONTROLS**

|   |  |
|---|--|
| <b>APPROPRIATE<br/>ENGINEERING<br/>CONTROLS</b> | CHANGE CONTAMINATED CLOTHING. WASH HANDS AFTER WORKING WITH SUBSTANCE. |
|---|--|

## **PERSONAL PROTECTIVE EQUIPMENT**

|                                |  |
|--------------------------------|--|
| <b>EYE/FACE<br/>PROTECTION</b> | USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU). SAFETY GLASSES |
|--------------------------------|--|

|                            |  |
|----------------------------|--|
| <b>SKIN<br/>PROTECTION</b> | HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS. |
|----------------------------|--|

### **FULL CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.4 MM

BREAK THROUGH TIME: 480 MIN

MATERIAL TESTED: CAMATRIL® (KCL 730, SIZE M)

### **SPLASH CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.2 MM

BREAK THROUGH TIME: 32 MIN

MATERIAL TESTED: DERMATRIL® P (KCL 743, SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE EC APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

|                            |  |
|----------------------------|--|
| <b>BODY<br/>PROTECTION</b> | CHOOSE BODY PROTECTION IN RELATION TO ITS TYPE, TO THE CONCENTRATION AND AMOUNT OF DANGEROUS SUBSTANCES, AND TO THE SPECIFIC WORK-PLACE. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE. |
|----------------------------|--|

|                                   |  |
|-----------------------------------|--|
| <b>RESPIRATORY<br/>PROTECTION</b> | NOT REQUIRED; EXCEPT IN CASE OF AEROSOL FORMATION. |
|-----------------------------------|--|

**CONTROL OF  
ENVIRONMENTAL  
EXPOSURE**

DO NOT LET PRODUCT ENTER DRAINS.

---

**SECTION 9.      PHYSICAL AND CHEMICAL PROPERTIES**

---

**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|                                     |   |
|-------------------------------------|---|
| APPEARANCE                          | COLORLESS TO ALMOST COLORLESS CLEAR LIQUID                              |
| ODOUR                               | NO DATA AVAILABLE   |
| ODOUR THRESHOLD                     | NO DATA AVAILABLE   |
| PH                                  | NO DATA AVAILABLE   |
| MELTING                             | -19 TO -17 °C   |
| POINT/FREEZING POINT                |   |
| INITIAL BOILING POINT               | 228 - 230 °C  |
| AND BOILING RANGE                   |   |
| FLASH POINT                         | 107 °C  |
| EVAPORATION RATE                    | NO DATA AVAILABLE   |
| FLAMMABILITY (SOLID,<br>GAS)        | NO DATA AVAILABLE   |
| UPPER/LOWER                         | NO DATA AVAILABLE   |
| FLAMMABILITY OR<br>EXPLOSIVE LIMITS |   |
| VAPOUR PRESSURE                     | 0.0493 HPA AT 25 °C (77 °F)   |
| VAPOUR DENSITY                      | NO DATA AVAILABLE   |
| RELATIVE DENSITY                    | 0.871 G/CM3 AT 20 °C (68 °F) - LIT.                                     |
| WATER SOLUBILITY                    | 10.62 G/L AT 25 °C (77 °F)  |
| PARTITION                           | LOG POW: 4.42 AT 36 °C (97 °F)  |
| COEFFICIENT: N-<br>OCTANOL/WATER    |   |
| AUTO-IGNITION                       | NO DATA AVAILABLE   |
| TEMPERATURE                         |   |
| DECOMPOSITION                       | NO DATA AVAILABLE   |
| TEMPERATURE                         |   |
| VISCOSITY                           | 1.7 MM2/S AT 40 °C (104 °F) - (ECHA)2.4 MM2/S AT 20 °C (68 °F) - (ECHA) |
| EXPLOSIVE                           | NO DATA AVAILABLE   |
| PROPERTIES                          |   |
| OXIDIZING PROPERTIES                | NONE  |
| <b>OTHER SAFETY<br/>INFORMATION</b> | NO DATA AVAILABLE   |

---

**SECTION 10.      STABILITY AND REACTIVITY**

---

|                   |   |
|-------------------|---|
| <b>REACTIVITY</b> | FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE HEATING.<br>A RANGE FROM APPROX. 15 KELVIN BELOW THE FLASH POINT IS TO BE RATED AS CRITICAL. |
|-------------------|---|

|   |  |
|---|--|
| <b>CHEMICAL STABILITY</b>                 | THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS (ROOM TEMPERATURE). |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | VIOLENT REACTIONS POSSIBLE WITH: STRONG OXIDIZING AGENTS                               |
| <b>CONDITIONS TO AVOID</b>                | STRONG HEATING.  |
| <b>INCOMPATIBLE MATERIALS</b>             | NO DATA AVAILABLE  |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | IN THE EVENT OF FIRE: SEE SECTION 5  |

---

## SECTION 11. TOXICOLOGICAL INFORMATION

---

### INFORMATION ON TOXICOLOGICAL EFFECTS

|  |  |
|--|--|
| <b>ACUTE TOXICITY</b>                    | LD50 ORAL - RAT - MALE AND FEMALE - > 2,000 MG/KG (EC DIRECTIVE 92/69/EEC B.1 ACUTE TOXICITY (ORAL)) |
|  | LC50 INHALATION - RAT - MALE AND FEMALE - > 5 MG/L – AEROSOL (OECD TEST GUIDELINE 436)               |
|  | DERMAL: NO DATA AVAILABLE  |
|  | NO DATA AVAILABLE  |
| <b>SKIN CORROSION/IRRITATION</b>         | REMARKS: NO DATA AVAILABLE   |
| <b>SERIOUS EYE DAMAGE/EYE IRRITATION</b> | EYES – RABBIT<br>RESULT: NO EYE IRRITATION (REGULATION (EC) NO. 440/2008, ANNEX, B.5)                |
| <b>RESPIRATORY OR SKIN SENSITISATION</b> | MAXIMIZATION TEST - GUINEA PIG<br>RESULT: NOT A SKIN SENSITIZER. (OECD TEST GUIDELINE 406)           |

**GERM CELL  
MUTAGENICITY**

TEST TYPE: CHROMOSOME ABERRATION TEST IN VITRO  
TEST SYSTEM: LYMPHOCYTE  
METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION  
METHOD: OECD TEST GUIDELINE 473  
RESULT: NEGATIVE  
TEST TYPE: IN VITRO MAMMALIAN CELL GENE MUTATION TEST  
TEST SYSTEM: MOUSE LYMPHOMA CELLS  
METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION  
METHOD: OECD TEST GUIDELINE 476  
RESULT: NEGATIVE

**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  
ORGAN TOXICITY -  
SINGLE EXPOSURE**

NO DATA AVAILABLE

**SPECIFIC TARGET  
ORGAN TOXICITY -  
REPEATED EXPOSURE**

NO DATA AVAILABLE

**ASPIRATION HAZARD**

NO DATA AVAILABLE

**ADDITIONAL  
INFORMATION**

RTECS: NOT AVAILABLE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

QUANTITATIVE DATA ON THE TOXICITY OF THIS PRODUCT ARE NOT AVAILABLE.

FURTHER DATA:

OTHER DANGEROUS PROPERTIES CAN NOT BE EXCLUDED.

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.



---

## SECTION 12. ECOLOGICAL INFORMATION

---

### TOXICITY

|   |  |
|---|--|
| TOXICITY TO FISH  | STATIC TEST LC50 - LEUCISCUS IDUS (GOLDEN ORFE) - 170 MG/L - 48 H<br>(OECD TEST GUIDELINE 203)         |
| TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES                   | SEMI-STATIC TEST EC50 - DAPHNIA MAGNA (WATER FLEA) - 1.1 MG/L - 48 H<br>(OECD TEST GUIDELINE 202)      |
| TOXICITY TO ALGAE   | STATIC TEST ERC50 - PSEUDOKIRCHNERIELLA SUBCAPITATA - > 0.055 MG/L - 72 H<br>(OECD TEST GUIDELINE 201) |
| TOXICITY TO BACTERIA  | STATIC TEST EC50 - ACTIVATED SLUDGE - > 1,000 MG/L - 3 H<br>(OECD TEST GUIDELINE 209)                  |
| TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES(CHRONIC TOXICITY) | FLOW-THROUGH TEST NOEC - DAPHNIA MAGNA (WATER FLEA) - 0.081 MG/L - 21 D<br>(OECD TEST GUIDELINE 211)   |

### PERSISTENCE AND DEGRADABILITY

|                  |   |
|------------------|---|
| BIODEGRADABILITY | AEROBIC - EXPOSURE TIME 28 D<br>RESULT: 78 % - READILY BIODEGRADABLE.<br>(OECD TEST GUIDELINE 301C) |
|------------------|---|

### BIOACCUMULATIVE POTENTIAL

|                 |   |
|-----------------|---|
| BIOACCUMULATION | LEPOMIS MACROCHIRUS - 28 D<br>(METHYL DECANOATE)<br><br>BIOCONCENTRATION FACTOR (BCF): < 17 |
|-----------------|---|

|                  |                   |
|------------------|-------------------|
| MOBILITY IN SOIL | NO DATA AVAILABLE |
|------------------|-------------------|

|                                    |  |
|------------------------------------|--|
| RESULTS OF PBT AND VPVB ASSESSMENT | PBT/VPVB ASSESSMENT NOT AVAILABLE AS<br>CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED. |
|------------------------------------|--|

|                       |   |
|-----------------------|---|
| OTHER ADVERSE EFFECTS | DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED. |
|-----------------------|---|

---

## SECTION 13. DISPOSAL CONSIDERATIONS

---

### WASTE TREATMENT METHODS

|                               |   |
|-------------------------------|---|
| <b>PRODUCT</b>                | 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 UNCLEANNED CONTAINERS LIKE THE PRODUCT ITSELF. |
| <b>CONTAMINATED PACKAGING</b> | DISPOSE OF AS UNUSED PRODUCT.   |

---

## SECTION 14.     **TRANSPORT INFORMATION**

---

### **DOT (US)**

|                       |  |
|-----------------------|--|
| PROPER SHIPPING NAME: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYL DECANOATE) |
| UN NUMBER:            | 3082   |
| CLASS:                | 9  |
| PACKING GROUP:        | III  |

### **IMDG**

|                       |  |
|-----------------------|--|
| PROPER SHIPPING NAME: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYL DECANOATE) |
| UN NUMBER:            | 3082   |
| CLASS:                | 9  |
| PACKING GROUP:        | III  |
| EMS-NO:               | F-A, S-F   |
| MARINE POLLUTANT:     | YES  |

### **IATA**

|                       |  |
|-----------------------|--|
| PROPER SHIPPING NAME: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYL DECANOATE) |
| UN NUMBER:            | 3082   |
| CLASS:                | 9  |
| PACKING GROUP:        | III  |

### **FURTHER**

|                    |   |
|--------------------|---|
| <b>INFORMATION</b> | EHS-MARK REQUIRED (ADR 2.2.9.1.10, IMDG CODE 2.10.3) FOR SINGLE PACKAGINGS AND COMBINATION PACKAGINGS CONTAINING INNER PACKAGINGS WITH DANGEROUS GOODS > 5L FOR LIQUIDS OR > 5KG FOR SOLIDS.PACKAGES SMALLER THAN OR EQUAL TO 5 KG / L , NOT DANGEROUS GOODS OF CLASS 9 |
|--------------------|---|

---

## 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 311/312 HAZARDS** NO SARA HAZARDS

**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**

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 INGREDIENTS 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.

---

**SECTION 16. OTHER INFORMATION**

---

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

H400 VERY TOXIC TO AQUATIC LIFE.  
H411 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 |

|       |   |
|-------|---|
| CAS:  | INDUSTRIAL HYGINISTS                      |
| OSHA: | CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER |
|       | 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 **CII** 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.

VERSION: 3.2

REVISION DATE: 01/23/2025