

# *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

## **SAFETY DATA SHEET**

---

### **SECTION 1. CHEMICAL IDENTIFICATION**

---

|                                 |  |
|---------------------------------|--|
| CATALOG #:                      | 31598  |
| NAME:                           | Myristyltrimethylammonium bromide  |
| SYNONYMS:                       | Tetradecyltrimethylammonium bromide<br>Trimethyl(tetradecyl)ammonium bromide |
| 24 HOUR EMERGENCY<br>TELEPHONE: | (800) 535-5053(USA)<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)**  
ACUTE TOXICITY, ORAL (CATEGORY 4), H302  
SKIN IRRITATION (CATEGORY 2), H315  
SERIOUS EYE DAMAGE (CATEGORY 1), H318  
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3),  
RESPIRATORY SYSTEM, H335

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE, ORAL (CATEGORY 2),  
GASTROINTESTINAL TRACT, H373  
ACUTE AQUATIC TOXICITY (CATEGORY 1), H400  
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)**

H302 HARMFUL IF SWALLOWED.  
H315 CAUSES SKIN IRRITATION  
H318 CAUSES SERIOUS EYE DAMAGE  
H335 MAY CAUSE RESPIRATORY IRRITATION.  
H373 MAY CAUSE DAMAGE TO ORGANS (GASTROINTESTINAL  
TRACT) THROUGH PROLONGED OR REPEATED EXPOSURE  
IF SWALLOWED.  
H400 VERY TOXIC TO AQUATIC LIFE.

**PRECAUTIONARY STATEMENT(S)**

P260 DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/  
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.  
P301 + P310 + P330 IF SWALLOWED: IMMEDIATELY CALL A POISON  
CENTER/DOCTOR. RINSE MOUTH.  
P302 + P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER  
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 +  
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/DOCTOR  
P314 GET MEDICAL ADVICE/ ATTENTION IF YOU FEEL UNWELL.  
P332 + P313 IF SKIN IRRITATION OCCURS: 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.  
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:                                      C<sub>17</sub>H<sub>38</sub>BrN  
MW:                                      336.39  
CAS-NO.                                1119-97-7  
PURITY:                                ≥ 99%(T)

**HAZARDOUS COMPONENTS**

| COMPONENT                                | CLASSIFICATION  | CONCENTRATION |
|--|---|---------------|
| <b>Myristyltrimethylammonium bromide</b> |   |               |
|  | ACUTE TOX. 4; SKIN IRRIT. 2;<br>EYE DAM. 1; STOT SE 3; STOT<br>RE 2; AQUATIC ACUTE 1; H302,<br>H315, H318, H335, H373, H400 | 90 - 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**                      CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF DANGEROUS AREA.

**IF INHALED**                                IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

**IN CASE OF SKIN CONTACT**              WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

**IN CASE OF EYE CONTACT**              RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

**IF SWALLOWED**                            NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

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

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

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

NO DATA AVAILABLE

**ADVICE FOR FIREFIGHTERS**

WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.

**FURTHER INFORMATION**

NO DATA AVAILABLE

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

---

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID DUST FORMATION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST.

FOR PERSONAL PROTECTION SEE SECTION 8.

**ENVIRONMENTAL PRECAUTIONS**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST. SWEEP UP AND SHOVEL. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

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

---

## **SECTION 7. HANDLING AND STORAGE**

---

**PRECAUTIONS FOR SAFE HANDLING** AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS. FURTHER PROCESSING OF SOLID MATERIALS MAY RESULT IN THE FORMATION OF COMBUSTIBLE DUSTS. THE POTENTIAL FOR COMBUSTIBLE DUST FORMATION SHOULD BE TAKEN INTO CONSIDERATION BEFORE ADDITIONAL PROCESSING OCCURS. PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED.

FOR PRECAUTIONS SEE SECTION 2.2.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES** KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

STRONGLY HYGROSCOPIC 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**

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS** CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES. HAZARDOUS COMPONENTS WITHOUT WORKPLACE CONTROL PARAMETERS

### **EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS** HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

### **PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION** FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

**SKIN PROTECTION** 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: 0.11 MM  
BREAK THROUGH TIME: 480 MIN  
MATERIAL TESTED:DERMATRIL (KCL 740 , SIZE M)

SPLASH CONTACT  
MATERIAL: NITRILE RUBBER  
MINIMUM LAYER THICKNESS: 0.11 MM  
BREAK THROUGH TIME: 480 MIN  
MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE 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.

**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** 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. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

---

**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 POINT/FREEZING POINT                 | 245 - 250 °C  |
| INITIAL BOILING POINT AND BOILING RANGE      |   |
| FLASH POINT                                  |   |
| EVAPORATION RATE                             | NO DATA AVAILABLE   |
| FLAMMABILITY (SOLID, GAS)                    | NO DATA AVAILABLE   |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | UPPER EXPLOSION LIMIT: 24.5 %(V)<br>LOWER EXPLOSION LIMIT: 3.3 %(V) |
| VAPOUR PRESSURE                              | NO DATA AVAILABLE   |
| VAPOUR DENSITY                               | NO DATA AVAILABLE   |
| RELATIVE DENSITY                             |   |
| WATER SOLUBILITY                             | 200 G/L AT 20 C   |
| PARTITION COEFFICIENT: N- OCTANOL/WATER      | LOG POW: 2.20   |
| AUTO-IGNITION TEMPERATURE                    | NO DATA AVAILABLE   |
| DECOMPOSITION TEMPERATURE                    | NO DATA AVAILABLE   |
| VISCOSITY                                    | NO DATA AVAILABLE   |
| EXPLOSIVE PROPERTIES                         | NO DATA AVAILABLE   |
| OXIDIZING PROPERTIES                         | NO DATA AVAILABLE   |
| <b>OTHER SAFETY INFORMATION</b>              | NO DATA AVAILABLE   |

---

**SECTION 10. STABILITY AND REACTIVITY**

---

|   |  |
|---|--|
| <b>REACTIVITY</b>                         | NO DATA AVAILABLE                            |
| <b>CHEMICAL STABILITY</b>                 | STABLE UNDER RECOMMENDED STORAGE CONDITIONS. |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | NO DATA AVAILABLE                            |
| <b>CONDITIONS TO AVOID</b>                | HYGROSCOPIC                                  |
| <b>INCOMPATIBLE MATERIALS</b>             | STRONG OXIDIZING AGENTS                      |

**HAZARDOUS  
DECOMPOSITION  
PRODUCTS**

HAZARDOUS DECOMPOSITION PRODUCTS FORMED  
UNDER FIRE CONDITIONS. - CARBON OXIDES,  
NITROGEN OXIDES (NOX), HYDROGEN BROMIDE GAS  
OTHER DECOMPOSITION PRODUCTS - NO DATA  
AVAILABLE  
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 - 390 MG/KG<br>(OECD TEST GUIDELINE 401)<br><br>INHALATION: NO DATA AVAILABLE<br><br>DERMAL: NO DATA AVAILABLE<br><br>NO DATA AVAILABLE |
| <b>SKIN<br/>CORROSION/IRRITATION</b>                            | NO DATA AVAILABLE   |
| <b>SERIOUS EYE<br/>DAMAGE/EYE IRRITATION</b>                    | NO DATA AVAILABLE   |
| <b>RESPIRATORY OR SKIN<br/>SENSITISATION</b>                    | NO DATA AVAILABLE   |
| <b>GERM CELL<br/>MUTAGENICITY</b>                               | NO DATA AVAILABLE   |
| <b>CARCINOGENICITY</b>  |   |
| IARC:   | NO COMPONENT OF THIS PRODUCT PRESENT AT<br>LEVELS GREATER THAN OR EQUAL TO 0.1% IS<br>IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED<br>HUMAN CARCINOGEN BY IARC.          |
| NTP:  | NO COMPONENT OF THIS PRODUCT PRESENT AT<br>LEVELS GREATER THAN OR EQUAL TO 0.1% IS<br>IDENTIFIED AS A KNOWN OR ANTICIPATED<br>CARCINOGEN BY NTP.                          |
| OSHA:   | NO COMPONENT OF THIS PRODUCT PRESENT AT<br>LEVELS GREATER THAN OR EQUAL TO 0.1% IS<br>IDENTIFIED AS A CARCINOGEN OR POTENTIAL<br>CARCINOGEN BY OSHA                       |
| <b>REPRODUCTIVE TOXICITY</b>                                    | NO DATA AVAILABLE   |
| <b>SPECIFIC TARGET ORGAN<br/>TOXICITY - SINGLE<br/>EXPOSURE</b> | MAY CAUSE RESPIRATORY IRRITATION.   |



|   |  |
|---|--|
| <b>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE</b> | ORAL - MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. - GASTROINTESTINAL TRACT |
| <b>ASPIRATION HAZARD</b>                                  | NO DATA AVAILABLE  |
| <b>ADDITIONAL INFORMATION</b>                             | RTECS: BS5776000<br><br>COUGH, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING                     |

---

## SECTION 12. ECOLOGICAL INFORMATION

---

|   |   |
|---|---|
| <b>TOXICITY</b>                                     |   |
| TOXICITY TO FISH                                    | SEMI-STATIC TEST LC50 - DANIO RERIO (ZEBRA FISH)<br>- > 1.81 MG/L - 96 H<br>(OECD TEST GUIDELINE 203)                       |
| TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES | SEMI-STATIC TEST EC50 - DAPHNIA MAGNA (WATER FLEA) - 0.022 MG/L - 48 H<br>(OECD TEST GUIDELINE 202)                         |
| TOXICITY TO ALGAE                                   | EC50 - PSEUDOKIRCHNERIELLA SUBCAPITATA - 0.00538 MG/L - 72 H<br>(OECD TEST GUIDELINE 201)                                   |
| <b>PERSISTENCE AND DEGRADABILITY</b>                |   |
| BIODEGRADABILITY                                    | AEROBIC - EXPOSURE TIME 7 D<br>RESULT: 100 % - READILY BIODEGRADABLE.   |
| <b>BIOACCUMULATIVE POTENTIAL</b>                    | NO DATA AVAILABLE   |
| <b>MOBILITY IN SOIL</b>                             | NO DATA AVAILABLE   |
| <b>RESULTS OF PBT AND VPVB ASSESSMENT</b>           | PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED                                  |
| <b>OTHER ADVERSE EFFECTS</b>                        | AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. VERY TOXIC TO AQUATIC LIFE. |

---

## SECTION 13. DISPOSAL CONSIDERATIONS

---

## WASTE TREATMENT METHODS

|                               |  |
|-------------------------------|--|
| <b>PRODUCT</b>                | OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. |
| <b>CONTAMINATED PACKAGING</b> | DISPOSE OF AS UNUSED PRODUCT.  |

---

## SECTION 14. TRANSPORT INFORMATION

---

**DOT (US)**  
NOT DANGEROUS GOODS

**IMDG**  
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Myristyltrimethylammonium bromide)  
UN NUMBER: 3077  
CLASS: 9  
PACKING GROUP: III  
EMS-NO: F-A, S-F  
MARINE POLLUTANT: YES

**IATA**  
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Myristyltrimethylammonium bromide)  
UN NUMBER: 3077  
CLASS: 9  
PACKING GROUP: III

**FURTHER INFORMATION**  
EHS-MARK REQUIRED (IMDG CODE 2.10.3) FOR SINGLE PACKAGINGS AND COMBINATION PACKAGINGS CONTAINING INNER PACKAGINGS WITH DANGEROUS GOODS > 5L FOR LIQUIDS OR > 5KG FOR SOLIDS.

---

## SECTION 15. REGULATORY INFORMATION

---

**SARA 302 COMPONENTS** NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

**SARA 313 COMPONENTS** 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.

**SARA 311/312 HAZARDS**  
ACUTE 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 |
|-----------------------------------|-----------|---------------|
| Myristyltrimethylammonium bromide | 1119-97-7 |               |

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

|                                   | CAS-NO.   | REVISION DATE |
|-----------------------------------|-----------|---------------|
| Myristyltrimethylammonium bromide | 1119-97-7 |               |

**CALIFORNIA PROP. 65 COMPONENTS**  
THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM

---

**SECTION 16. OTHER INFORMATION**

---

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

|               |   |
|---------------|---|
| ACUTE TOX.    | ACUTE TOXICITY  |
| AQUATIC ACUTE | ACUTE AQUATIC TOXICITY  |
| EYE DAM.      | SERIOUS EYE DAMAGE  |
| H302          | HARMFUL IF SWALLOWED.   |
| H315          | CAUSES SKIN IRRITATION.   |
| H318          | CAUSES SERIOUS EYE DAMAGE.  |
| H335          | MAY CAUSE RESPIRATORY IRRITATION.   |
| H373          | MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE IF SWALLOWED. |
| H400          | VERY TOXIC TO AQUATIC LIFE.   |
| SKIN IRRIT.   | SKIN IRRITATION   |
| STOT RE       | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE                              |
| STOT SE       | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE                                |

**HMIS RATING**

|                        |   |
|------------------------|---|
| HEALTH HAZARD:         | 2 |
| CHRONIC HEALTH HAZARD: | * |
| FLAMMABILITY:          | 0 |

PHYSICAL HAZARD 0

**NFPA RATING**

HEALTH HAZARD: 2

FIRE HAZARD: 0

REACTIVITY HAZARD: 0

**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 **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:3.1.

REVISION DATE: 01/27/2017