

# *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 #: 03552

NAME: Trimethoprim lactate salt

SYNONYMS: 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine lactate

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  
REPRODUCTIVE TOXICITY (CATEGORY 2), H361

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.  
H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

**PRECAUTIONARY STATEMENT(S)**

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.  
P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.  
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.  
P308 + P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION.  
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:  $C_{14}H_{18}N_4O_3 \cdot C_3H_6O_3$   
MW: 380.4  
CAS-NO. 23256-42-0  
PURITY:  $\geq 98\%$  (Assay on dried basis)

**HAZARDOUS COMPONENTS**

| COMPONENT                 | CLASSIFICATION                    | CONCENTRATION |
|---------------------------|-----------------------------------|---------------|
| Trimethoprim lactate salt | ACUTE TOX. 3; REPR. 2; H301, H361 | $\leq 100\%$  |

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>   | SHOW THIS MATERIAL SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.   |
| <b>IF INHALED</b>   | AFTER INHALATION: FRESH AIR. CALL IN PHYSICIAN.   |
| <b>IN CASE OF SKIN CONTACT</b>  | IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER. CONSULT A PHYSICIAN.  |
| <b>IN CASE OF EYE CONTACT</b>   | AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.  |
| <b>IF SWALLOWED</b>   | 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. |
| <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>WATER FOAM CARBON DIOXIDE (CO2) DRY POWDER |
|-------------------------------------|--|

|  |  |
|--|--|
|  | UNSUITABLE EXTINGUISHING MEDIA FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF EXTINGUISHING AGENTS ARE GIVEN.  |
| <b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b> | CARBON OXIDES<br>NITROGEN OXIDES (NOX)<br>COMBUSTIBLE.<br>DEVELOPMENT OF HAZARDOUS COMBUSTION GASES OR VAPOURS POSSIBLE IN THE EVENT OF FIRE.                  |
| <b>ADVICE FOR FIREFIGHTERS</b>                               | STAY IN DANGER AREA ONLY WITH SELF-CONTAINED BREATHING APPARATUS. PREVENT SKIN CONTACT BY KEEPING A SAFE DISTANCE OR BY WEARING SUITABLE PROTECTIVE CLOTHING.  |
| <b>FURTHER INFORMATION</b>                                   | 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**

---

|  |   |
|--|---|
| <b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES</b> | 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.<br><br>FOR PERSONAL PROTECTION SEE SECTION 8. |
| <b>ENVIRONMENTAL PRECAUTIONS</b>   | DO NOT LET PRODUCT ENTER DRAINS.  |
| <b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP</b>               | 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.                                  |
| <b>REFERENCE TO OTHER SECTIONS</b>   | FOR DISPOSAL SEE SECTION 13.  |

---

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

---

|   |   |
|---|---|
| <b>PRECAUTIONS FOR SAFE HANDLING</b>                                | FOR PRECAUTIONS SEE SECTION 2.2.  |
| <b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b> | TIGHTLY CLOSED. DRY. KEEP IN A WELL-VENTILATED PLACE. KEEP LOCKED UP OR IN AN AREA ACCESSIBLE ONLY TO QUALIFIED OR AUTHORIZED PERSONS.<br><br>Store at 0 - 8 °C |
| <b>SPECIFIC END USE(S)</b>  | 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.

### **EXPOSURE CONTROLS**

|                                  |  |
|----------------------------------|--|
| APPROPRIATE ENGINEERING CONTROLS | CHANGE CONTAMINATED CLOTHING. PREVENTIVE SKIN PROTECTION RECOMMENDED. WASH HANDS AFTER WORKING WITH SUBSTANCE. |
|----------------------------------|--|

### **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). SAFETY GLASSES |
|---------------------|--|

|                 |  |
|-----------------|--|
| 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. |
|-----------------|--|

|                 |                     |
|-----------------|---------------------|
| BODY PROTECTION | PROTECTIVE CLOTHING |
|-----------------|---------------------|

|                        |   |
|------------------------|---|
| RESPIRATORY PROTECTION | REQUIRED WHEN DUSTS ARE GENERATED. OUR RECOMMENDATIONS ON FILTERING RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING STANDARDS: DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING STANDARDS RELATING TO THE USED 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 light yellow powder |
| ODOUR  | NO DATA AVAILABLE            |
| ODOUR THRESHOLD                                    | NO DATA AVAILABLE            |
| PH   | NO DATA AVAILABLE            |
| MELTING<br>POINT/FREEZING POINT                    |                              |
| INITIAL BOILING POINT<br>AND BOILING RANGE         |                              |
| FLASH POINT  |                              |
| EVAPOURATION RATE                                  | NO DATA AVAILABLE            |
| FLAMMABILITY (SOLID,<br>GAS)                       | NO DATA AVAILABLE            |
| UPPER/LOWER<br>FLAMMABILITY OR<br>EXPLOSIVE LIMITS | NO DATA AVAILABLE            |
| VAPOUR PRESSURE                                    | NO DATA AVAILABLE            |
| VAPOUR DENSITY                                     | NO DATA AVAILABLE            |
| RELATIVE DENSITY                                   |                              |
| WATER SOLUBILITY                                   | NO DATA AVAILABLE            |
| PARTITION COEFFICIENT:<br>N- OCTANOL/WATER         | NO DATA AVAILABLE            |
| AUTO-IGNITION<br>TEMPERATURE                       | NO DATA AVAILABLE            |
| DECOMPOSITION<br>TEMPERATURE                       | NO DATA AVAILABLE            |
| VISCOSITY  | NO DATA AVAILABLE            |
| EXPLOSIVE PROPERTIES                               | NO DATA AVAILABLE            |
| OXIDIZING PROPERTIES                               | NO DATA AVAILABLE            |

### **OTHER SAFETY INFORMATION**

NO DATA AVAILABLE

---

## **SECTION 10. STABILITY AND REACTIVITY**

---

### **REACTIVITY**

THE FOLLOWING APPLIES IN GENERAL TO FLAMMABLE ORGANIC SUBSTANCES AND MIXTURES: IN CORRESPONDINGLY FINE DISTRIBUTION, WHEN WHIRLED UP A DUST EXPLOSION POTENTIAL MAY GENERALLY BE ASSUMED.

|   |   |
|---|---|
| <b>CHEMICAL STABILITY</b>                 | THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS. |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | NO DATA AVAILABLE   |
| <b>CONDITIONS TO AVOID</b>                | NO DATA AVAILABLE   |
| <b>INCOMPATIBLE MATERIALS</b>             | STRONG OXIDIZING AGENTS   |
| <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 - 200 MG/KG<br>REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)<br>THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING<br>SUBSTANCES: TRIMETHOPRIM           |
|  | INHALATION: NO DATA AVAILABLE  |
|  | DERMAL: NO DATA AVAILABLE  |
|  | NO DATA AVAILABLE  |
| <b>SKIN CORROSION/IRRITATION</b>         | NO DATA AVAILABLE  |
| <b>SERIOUS EYE DAMAGE/EYE IRRITATION</b> | NO DATA AVAILABLE  |
| <b>RESPIRATORY OR SKIN SENSITISATION</b> | NO DATA AVAILABLE  |
| <b>GERM CELL MUTAGENICITY</b>            | NO DATA AVAILABLE  |
| <b>CARCINOGENICITY</b><br>IARC:          | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS<br>GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS<br>PROBABLE, POSSIBLE OR CONFIRMED HUMAN<br>CARCINOGEN BY IARC. |

|   |  |
|---|--|
| NTP:  | 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 ON OSHA S LIST OF REGULATED CARCINOGENS.   |
| <b>REPRODUCTIVE TOXICITY</b>                              | SUSPECTED OF DAMAGING THE UNBORN CHILD.  |
| <b>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE</b>   | NO DATA AVAILABLE  |
| <b>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE</b> | NO DATA AVAILABLE  |
| <b>ASPIRATION HAZARD</b>                                  | NO DATA AVAILABLE  |
| <b>ADDITIONAL INFORMATION</b>                             | <p>NAUSEA, HEADACHE, VOMITING</p> <p>TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.</p> <p>STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE</p> |

---

## SECTION 12. ECOLOGICAL INFORMATION

---

|   |   |
|---|---|
| <b>TOXICITY</b>                           | NO DATA AVAILABLE   |
| <b>PERSISTENCE AND DEGRADABILITY</b>      | NO DATA AVAILABLE   |
| <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>              | 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.

**CONTAMINATED PACKAGING** DISPOSE OF AS UNUSED PRODUCT.

---

**SECTION 14. TRANSPORT INFORMATION**

---

**DOT (US)**

PROPER SHIPPING NAME: TOXIC SOLIDS, ORGANIC, N.O.S. (Trimethoprim lactate salt)  
UN NUMBER: 2811  
CLASS: 6.1  
PACKING GROUP: III  
REPORTABLE QUANTITY (RQ):  
POISON INHALATION HAZARD: NO

**IMDG**

PROPER SHIPPING NAME: TOXIC SOLIDS, ORGANIC, N.O.S. (Trimethoprim lactate salt)  
UN NUMBER: 2811  
CLASS: 6.1  
PACKING GROUP: III  
EMS-NO: F-A, S-A

**IATA**

PROPER SHIPPING NAME: TOXIC SOLIDS, ORGANIC, N.O.S. (Trimethoprim lactate salt)  
UN NUMBER: 2811  
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** 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** 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 |
|---------------------------|------------|---------------|
| Trimethoprim lactate salt | 23256-42-0 |               |

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

|                           | CAS-NO.    | REVISION DATE |
|---------------------------|------------|---------------|
| Trimethoprim lactate salt | 23256-42-0 |               |

---

**SECTION 16. OTHER INFORMATION**

---

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

H301 TOXIC IF SWALLOWED.  
H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

**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 : 3.2*

*REVISION DATE : 09/24/2021*