

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

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

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

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|                                 |   |
|---------------------------------|---|
| CATALOG #:                      | 46314   |
| NAME:                           | 1,1,2,2-Tetrafluoroethyl 2,2,2-trifluoroethyl ether     |
| 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  |

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

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

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

SKIN IRRITATION (CATEGORY 2), H315

EYE IRRITATION (CATEGORY 2A), H319

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)**

H315 CAUSES SKIN IRRITATION.  
H319 CAUSES SERIOUS EYE IRRITATION.

**PRECAUTIONARY STATEMENT(S)**

P264 WASH SKIN THOROUGHLY AFTER HANDLING.  
P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.  
P302 + P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.  
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.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS**

NONE

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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MF: C<sub>4</sub>H<sub>3</sub>F<sub>7</sub>O  
MW: 200.06  
CAS-NO. 406-78-0  
PURITY: ≥ 99% (GC)

**HAZARDOUS COMPONENTS**

| COMPONENT  | CLASSIFICATION | CONCENTRATION |
|--|----------------|---------------|
| <b>1,1,2,2-TETRAFLUOROETHYL 2,2,2-TRIFLUOROETHYL ETHER</b> |                |               |
|  | -              | -             |

NO COMPONENTS NEED TO BE DISCLOSED ACCORDING TO THE APPLICABLE REGULATIONS.

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

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**SECTION 4. FIRST-AID MEASURES**

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## **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: MAKE VICTIM DRINK WATER (TWO GLASSES AT MOST). CONSULT DOCTOR IF FEELING UNWELL.                   |
| <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  |

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## **SECTION 5. FIRE AND EXPLOSION DATA**

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### **EXTINGUISHING MEDIA**

|  |   |
|--|---|
| <b>SUITABLE EXTINGUISHING MEDIA</b>                          | SUITABLE EXTINGUISHING MEDIA<br>USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT. |
|  | 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> | SULFUR OXIDES<br>SODIUM OXIDES<br>NOT COMBUSTIBLE.<br>AMBIENT FIRE MAY LIBERATE HAZARDOUS VAPOURS.                                      |
| <b>ADVICE FOR FIREFIGHTERS</b>                               | IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.  |
| <b>FURTHER</b>   | SUPPRESS (KNOCK DOWN) GASES/VAPORS/MISTS WITH   |

**INFORMATION**

A WATER SPRAY JET. PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR THE GROUND WATER SYSTEM.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

ADVICE FOR NON-EMERGENCY PERSONNEL: AVOID INHALATION OF DUSTS. 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 DRY. DISPOSE OF PROPERLY. CLEAN UP AFFECTED AREA. AVOID GENERATION OF DUSTS.

**REFERENCE TO OTHER SECTIONS**

FOR DISPOSAL SEE SECTION 13.

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**SECTION 7. HANDLING AND STORAGE**

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**PRECAUTIONS FOR SAFE HANDLING**

FOR PRECAUTIONS SEE SECTION 2.2.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

TIGHTLY CLOSED. DRY. TIGHTLY CLOSED. DRY.  
Store at 2 - 8 °C

**SPECIFIC END USE(S)**

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

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**CONTROL PARAMETERS****COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

## **EXPOSURE CONTROLS**

### **APPROPRIATE ENGINEERING CONTROLS**

CHANGE CONTAMINATED CLOTHING. 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).

### **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**

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.

### **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.

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **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               | NO DATA AVAILABLE                          |
| POINT/FREEZING POINT  |  |
| INITIAL BOILING POINT | 56 °C (LIT.)                               |
| AND BOILING RANGE     |  |

|  |                   |
|--|-------------------|
| FLASH POINT                                  | NO DATA AVAILABLE |
| EVAPORATION RATE                             | NO DATA AVAILABLE |
| FLAMMABILITY (SOLID, GAS)                    | NO DATA AVAILABLE |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | NO DATA AVAILABLE |
| VAPOUR PRESSURE                              | NO DATA AVAILABLE |
| VAPOUR DENSITY                               | NO DATA AVAILABLE |
| RELATIVE DENSITY                             | 1.49 (LIT.)       |
| WATER SOLUBILITY                             | NO DATA AVAILABLE |
| PARTITION COEFFICIENT: N-OCTANOL/WATER       | NO DATA AVAILABLE |
| 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 |

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## SECTION 10. STABILITY AND REACTIVITY

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|   |   |
|---|---|
| <b>REACTIVITY</b>                         | NO DATA AVAILABLE   |
| <b>CHEMICAL STABILITY</b>                 | THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS (ROOM TEMPERATURE)   |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | RISK OF EXPLOSION WITH:<br>NITRATES<br>NITRITES<br>PEROXI COMPOUNDS<br>STRONG OXIDIZING AGENTS<br>VIOLENT REACTIONS POSSIBLE WITH:<br>FLUORINE<br>ACIDS |
| <b>CONDITIONS TO AVOID</b>                | NO DATA AVAILABLE   |
| <b>INCOMPATIBLE MATERIALS</b>             | NO DATA AVAILABLE   |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | IN THE EVENT OF FIRE: SEE SECTION 5   |

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## SECTION 11. TOXICOLOGICAL INFORMATION

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### INFORMATION ON TOXICOLOGICAL EFFECTS

#### ACUTE TOXICITY

ACUTE TOXICITY ESTIMATE ORAL - 2,500 MG/KG  
(CALCULATION METHOD)  
LD50 ORAL - RAT - FEMALE - > 2,000 MG/KG  
(OECD TEST GUIDELINE 425)  
REMARKS: (IN ANALOGY TO SIMILAR COMPOUNDS)

LC50 INHALATION - RAT - MALE AND FEMALE - 4 H - >  
2.6 MG/L  
(OECD TEST GUIDELINE 403)  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: POTASSIUM  
THIOSULPHATE

ACUTE TOXICITY ESTIMATE DERMAL - 2,500 MG/KG  
(CALCULATION METHOD)  
LD50 DERMAL - RABBIT - MALE AND FEMALE - > 2,000  
MG/KG  
(OECD TEST GUIDELINE 402)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: POTASSIUM  
THIOSULPHATE

NO DATA AVAILABLE

#### SKIN CORROSION/IRRITATION

SKIN – RABBIT  
RESULT: NO SKIN IRRITATION - 4 H  
(OECD TEST GUIDELINE 404)  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: SODIUM SULPHITE

#### SERIOUS EYE DAMAGE/EYE IRRITATION

EYES – RABBIT  
RESULT: NO EYE IRRITATION  
(OECD TEST GUIDELINE 405)  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE

#### RESPIRATORY OR SKIN SENSITISATION

LOCAL LYMPH NODE ASSAY (LLNA) – MOUSE  
RESULT: NEGATIVE  
(OECD TEST GUIDELINE 429)  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE

**GERM CELL  
MUTAGENICITY**

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  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE  
TEST TYPE: AMES TEST  
TEST SYSTEM: ESCHERICHIA COLI/SALMONELLA  
TYPHIMURIUM  
METABOLIC ACTIVATION: WITH AND WITHOUT  
METABOLIC ACTIVATION  
METHOD: OECD TEST GUIDELINE 471  
RESULT: NEGATIVE  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE  
TEST TYPE: CHROMOSOME ABERRATION TEST IN VITRO  
TEST SYSTEM: CHINESE HAMSTER OVARY CELLS  
METABOLIC ACTIVATION: WITH AND WITHOUT  
METABOLIC ACTIVATION  
METHOD: OECD TEST GUIDELINE 473  
RESULT: NEGATIVE  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE

**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**

REPEATED DOSE TOXICITY - RAT - MALE AND FEMALE  
- ORAL - NOAEL (NO OBSERVED ADVERSE EFFECT  
LEVEL) - 108 MG/KG  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
(ECHA)  
THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: SODIUM METABISULPHITE

RTECS: XN6476000  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,  
PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE  
NOT BEEN THOROUGHLY INVESTIGATED.

HAZARDOUS PROPERTIES CANNOT BE EXCLUDED BUT  
ARE UNLIKELY WHEN THE PRODUCT IS HANDLED  
APPROPRIATELY.

THERAPEUTICALLY USED SUBSTANCE.

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL  
HYGIENE AND SAFETY PRACTICE.

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY**

**TOXICITY TO FISH**

STATIC TEST LC50 - LEPOMIS MACROCHIRUS  
(BLUEGILL SUNFISH) - 510 MG/L - 96 H  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
(ECHA)

THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE

**TOXICITY TO DAPHNIA  
AND OTHER AQUATIC  
INVERTEBRATES**

STATIC TEST EC50 - DAPHNIA MAGNA (WATER FLEA) -  
230 MG/L - 48 H  
REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS)  
(ECHA)

THE VALUE IS GIVEN IN ANALOGY TO THE  
FOLLOWING SUBSTANCES: DIAMMONIUM  
THIOSULPHATE

|                      |   |
|----------------------|---|
| TOXICITY TO ALGAE    | <p>STATIC TEST ERC50 - PSEUDOKIRCHNERIELLA SUBCAPITATA (GREEN ALGAE) - &gt; 100 MG/L - 72 H (OECD TEST GUIDELINE 201)</p> <p>REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS) THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: DIAMMONIUM THIOSULPHATE</p> |
| TOXICITY TO BACTERIA | <p>STATIC TEST EC50 - ACTIVATED SLUDGE - &gt; 1,000 MG/L - 3 H (OECD TEST GUIDELINE 209)</p> <p>REMARKS: (IN ANALOGY TO SIMILAR PRODUCTS) THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: DIAMMONIUM THIOSULPHATE</p>                              |

#### **PERSISTENCE AND DEGRADABILITY**

THE METHODS FOR DETERMINING BIODEGRADABILITY ARE NOT APPLICABLE TO INORGANIC SUBSTANCES.

|                              |                            |
|------------------------------|----------------------------|
| CHEMICAL OXYGEN DEMAND (COD) | 405 MG/G REMARKS: (IUCLID) |
|------------------------------|----------------------------|

|                                  |                   |
|----------------------------------|-------------------|
| <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                               |
| ADDITIONAL ECOLOGICAL INFORMATION | DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED. |

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

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#### **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 UNCLEANED CONTAINERS LIKE THE PRODUCT ITSELF. FOR PROCESSES REGARDING THE RETURN OF CHEMICALS AND CONTAINERS, OR CONTACT US THERE IF YOU HAVE FURTHER QUESTIONS. |
| <b>CONTAMINATED PACKAGING</b> | DISPOSE OF AS UNUSED PRODUCT.   |

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**SECTION 14.     TRANSPORT INFORMATION**

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**DOT (US)**  
NOT DANGEROUS GOODS

**IMDG**  
NOT DANGEROUS GOODS

**IATA**  
NOT DANGEROUS GOODS

**FURTHER INFORMATION**  
NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

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**SECTION 15.     REGULATORY INFORMATION**

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**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**   NO SARA HAZARDS

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

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**SECTION 16.     OTHER INFORMATION**

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**FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.**  
H315                   CAUSES SKIN IRRITATION.  
H319                   CAUSES SERIOUS EYE IRRITATION.

**MSDS LEGEND**  
MW:                   MOLECULAR WEIGHT  
MF:                   MOLECULAR FORMULA  
VOC:                   VOLATILE ORGANIC COMPOUNDS  
ACGIH:                AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL  
HYGINISTS  
CAS:                   CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA)  
TLV: THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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