

# *Chem-Impex International Inc.*

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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

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### SECTION 1. CHEMICAL IDENTIFICATION

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|                                 |   |
|---------------------------------|---|
| CATALOG #:                      | 00128   |
| NAME:                           | Di- <i>tert</i> -butyl pyrocarbonate  |
| SYNONYMS:                       | Boc anhydride<br>Di- <i>tert</i> -butyl dicarbonate<br>Pyrocarbonic acid di- <i>tert</i> -butyl ester |
| 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

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#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)**  
FLAMMABLE LIQUIDS (CATEGORY 3), H226

ACUTE TOXICITY, INHALATION (CATEGORY 1), H330  
SKIN IRRITATION (CATEGORY 2), H315  
EYE IRRITATION (CATEGORY 2A), H319  
SKIN SENSITISATION (CATEGORY 1), H317  
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3),  
RESPIRATORY SYSTEM, H335

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)**

H226                      FLAMMABLE LIQUID AND VAPOUR.  
H315                      CAUSES SKIN IRRITATION.  
H317                      MAY CAUSE AN ALLERGIC SKIN REACTION.  
H319                      CAUSES SERIOUS EYE IRRITATION.  
H330                      FATAL IF INHALED.  
H335                      MAY CAUSE RESPIRATORY IRRITATION.

**PRECAUTIONARY STATEMENT(S)**

P210                      KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT  
SURFACES. - NO SMOKING.  
P233                      KEEP CONTAINER TIGHTLY CLOSED.  
P240                      GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.  
P241                      USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/  
LIGHTING/ EQUIPMENT.  
P242                      USE ONLY NON-SPARKING TOOLS.  
P243                      TAKE PRECAUTIONARY MEASURES AGAINST STATIC  
DISCHARGE.  
P260                      DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/  
SPRAY.  
P264                      WASH SKIN THOROUGHLY AFTER HANDLING.  
P271                      USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.  
P272                      CONTAMINATED WORK CLOTHING SHOULD NOT BE  
ALLOWED OUT OF THE WORKPLACE.  
P280                      WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE  
PROTECTION.  
P284                      WEAR RESPIRATORY PROTECTION.  
P303 + P361 + P353                      IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY  
ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/  
SHOWER.  
P304 + P340 + P310                      IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT  
REST IN A POSITION COMFORTABLE FOR BREATHING.  
IMMEDIATELY CALL A POISON CENTER OR DOCTOR/  
PHYSICIAN.  
P305 + P351 + P338                      IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL  
MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND  
EASY TO DO. CONTINUE RINSING.

|  |   |
|--|---|
| P333 + P313  | IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.                     |
| P337 + P313  | IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION.                            |
| P362   | TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.                                 |
| P370 + P378  | IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM FOR EXTINCTION. |
| P403 + P233  | STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.                      |
| P403 + P235  | STORE IN A WELL-VENTILATED PLACE. KEEP COOL.  |
| P405   | STORE LOCKED UP.  |
| P501   | DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.                   |
| <b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS</b> | NONE  |

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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|         |  |
|---------|--|
| MF:     | C <sub>10</sub> H <sub>18</sub> O <sub>5</sub> |
| MW:     | 218.25   |
| CAS-NO. | 24424-99-5                                     |
| PURITY: | ≥ 99% (GC)                                     |

| COMPONENT                       | CLASSIFICATION  | CONCENTRATION |
|---------------------------------|---|---------------|
| <b>DI(TERT-BUTYL) CARBONATE</b> |   |               |
|                                 | FLAM. LIQ. 3; ACUTE TOX. 1; SKIN IRRIT. 2; EYE IRRIT. 2A; SKIN SENS. 1; STOT SE 3; H226, H315, H317, H319, H330, H335 | <= 100 %      |

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.MOVE OUT OF DANGEROUS AREA. |
|-----------------------|--|

|   |   |
|---|---|
| <b>IF INHALED</b>   | IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.             |
| <b>IN CASE OF SKIN CONTACT</b>  | WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.                           |
| <b>IN CASE OF EYE CONTACT</b>   | RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.                                      |
| <b>IF SWALLOWED</b>   | DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN. |
| <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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|  |  |
|--|--|
| <b>EXTINGUISHING MEDIA</b>                                   |  |
| <b>SUITABLE EXTINGUISHING MEDIA</b>                          | USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE. |
| <b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b> | CARBON OXIDES  |
| <b>ADVICE FOR FIREFIGHTERS</b>                               | WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.   |
| <b>FURTHER INFORMATION</b>                                   | USE WATER SPRAY TO COOL UNOPENED CONTAINERS.                             |

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

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|   |   |
|---|---|
| <b>PERSONAL PRECAUTIONS, PROTECTIVE</b> | WEAR RESPIRATORY PROTECTION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. |
|---|---|

|  |  |
|--|--|
| <b>EQUIPMENT AND EMERGENCY PROCEDURES</b>                    | EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW AREAS.<br>FOR PERSONAL PROTECTION SEE SECTION 8.        |
| <b>ENVIRONMENTAL PRECAUTIONS</b>                             | PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.   |
| <b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP</b> | CONTAIN SPILLAGE, AND THEN COLLECT WITH AN ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13). |
| <b>REFERENCE TO OTHER SECTIONS</b>                           | FOR DISPOSAL SEE SECTION 13.   |

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

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|   |  |
|---|--|
| <b>PRECAUTIONS FOR SAFE HANDLING</b>                                | AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION OF VAPOUR OR MIST.<br>KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.<br>FOR PRECAUTIONS SEE SECTION 2.2.  |
| <b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b> | KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE.<br>RECOMMENDED STORAGE TEMPERATURE 2 - 8 C.<br>AVOID HEATING ABOVE: 40 C HANDLE AND STORE UNDER INERT GAS. MOISTURE SENSITIVE. HANDLE AND OPEN CONTAINER WITH CARE.<br>STORAGE CLASS (TRGS 510): FLAMMABLE LIQUIDS |
| <b>SPECIFIC END USE(S)</b>  | 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**

|   |   |
|---|---|
| <b>COMPONENTS WITH WORKPLACE CONTROL PARAMETERS</b> | CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES. |
|---|---|

## **EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS** AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

## **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.

SPLASH CONTACT  
MATERIAL: NITRILE RUBBER  
MINIMUM LAYER THICKNESS: 0.4 MM  
BREAK THROUGH TIME: 120 MIN  
MATERIAL TESTED: CAMATRIL (KCL 730, 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, FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING., 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 RESPIRATOR WITH MULTI- PURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) 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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|  |                                   |
|--|-----------------------------------|
| APPEARANCE                                   | Colorless liquid or white crystal |
| ODOUR  | NO DATA AVAILABLE                 |
| ODOUR THRESHOLD                              | NO DATA AVAILABLE                 |
| PH   | NO DATA AVAILABLE                 |
| MELTING POINT/FREEZING POINT                 | 20 - 25 °C                        |
| INITIAL BOILING POINT AND BOILING RANGE      | 56-57°C/0.5mmHg                   |
| FLASH POINT                                  | 37°C                              |
| 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                             | 0.95                              |
| 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                 |

**OTHER SAFETY INFORMATION**

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>                 | STABLE UNDER RECOMMENDED STORAGE CONDITIONS.  |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.  |
| <b>CONDITIONS TO AVOID</b>                | HEAT, FLAMES AND SPARKS.  |
| <b>INCOMPATIBLE MATERIALS</b>             | OXIDIZING AGENTS, REDUCING AGENTS, BASES, AVOID CONTACT WITH:, ACIDS                    |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE<br>IN THE EVENT OF FIRE: SEE SECTION 5 |

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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**INFORMATION ON TOXICOLOGICAL EFFECTS**

|  |   |
|--|---|
| <b>ACUTE TOXICITY</b>                    | LD50 ORAL - MAMMAL - > 5,000 MG/KG<br><br>LC50 INHALATION - RAT - 4 H - 100 MG/M3<br>REMARKS: SENSE ORGANS AND SPECIAL SENSES (NOSE, EYE, EAR, AND TASTE):EYE:OTHER. LUNGS, THORAX, OR RESPIRATION:DYSPNEA. NUTRITIONAL AND GROSS METABOLIC:WEIGHT LOSS OR DECREASED WEIGHT GAIN.<br><br>LD50 DERMAL - MAMMAL - > 2,000 MG/KG |
| <b>SKIN CORROSION/IRRITATION</b>         | NO DATA AVAILABLE   |
| <b>SERIOUS EYE DAMAGE/EYE IRRITATION</b> | NO DATA AVAILABLE   |
| <b>RESPIRATORY OR SKIN SENSITISATION</b> |   |
| <b>GERM CELL MUTAGENICITY</b>            | NO DATA AVAILABLE   |



**CARCINOGENICITY**

|        |   |
|--------|---|
| IARC:  | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC. |
| ACGIH: | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.            |
| 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 IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.             |

**REPRODUCTIVE TOXICITY** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE** INHALATION - MAY CAUSE RESPIRATORY IRRITATION.

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE** NO DATA AVAILABLE

**ASPIRATION HAZARD** NO DATA AVAILABLE

**ADDITIONAL INFORMATION** RTECS: HT0230000  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY** NO DATA AVAILABLE

**PERSISTENCE AND DEGRADABILITY** NO DATA AVAILABLE

**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

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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**WASTE TREATMENT METHODS**

**PRODUCT**

BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

**CONTAMINATED  
PACKAGING**

DISPOSE OF AS UNUSED PRODUCT.

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**SECTION 14. TRANSPORT INFORMATION**

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**DOT (US)**

PROPER SHIPPING NAME: TOXIC LIQUIDS, FLAMMABLE, ORGANIC, N.O.S.(Di-*tert*-butyl pyrocarbonate)  
UN NUMBER: 2929  
CLASS: 6.1 (3)  
PACKING GROUP: II  
REPORTABLE QUANTITY (RQ):  
POISON INHALATION HAZARD: NO

**IMDG**

PROPER SHIPPING NAME: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.(Di-*tert*-butyl pyrocarbonate)  
UN NUMBER: 2929  
CLASS: 6.1 (3)  
PACKING GROUP: II  
EMS-NO: F-E, S-D

**IATA**

PROPER SHIPPING NAME: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.(Di-*tert*-butyl pyrocarbonate)  
UN NUMBER: 2929  
CLASS: 6.1 (3)

PACKING GROUP: II

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**SECTION 15. REGULATORY INFORMATION**

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**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 (DEMINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

**SARA 311/312 HAZARDS** FIRE HAZARD, 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 |
|--------------------------------------|------------|---------------|
| Di- <i>tert</i> -butyl pyrocarbonate | 24424-99-5 |               |

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

|                                      | CAS-NO.    | REVISION DATE |
|--------------------------------------|------------|---------------|
| Di- <i>tert</i> -butyl pyrocarbonate | 24424-99-5 |               |

**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.

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**SECTION 16. OTHER INFORMATION**

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

|             |                                      |
|-------------|--------------------------------------|
| ACUTE TOX.  | ACUTE TOXICITY                       |
| EYE IRRIT.  | EYE IRRITATION                       |
| FLAM. LIQ.  | FLAMMABLE LIQUIDS                    |
| H226        | FLAMMABLE LIQUID AND VAPOUR.         |
| H315        | CAUSES SKIN IRRITATION.              |
| H317        | MAY CAUSE AN ALLERGIC SKIN REACTION. |
| H319        | CAUSES SERIOUS EYE IRRITATION.       |
| H330        | FATAL IF INHALED.                    |
| H335        | MAY CAUSE RESPIRATORY IRRITATION.    |
| SKIN IRRIT. | SKIN IRRITATION                      |
| SKIN SENS.  | SKIN SENSITISATION                   |

**HMIS RATING**

HEALTH HAZARD: 4

CHRONIC HEALTH  
HAZARD:  
FLAMMABILITY: 3  
PHYSICAL HAZARD 0

**NFPA RATING**  
HEALTH HAZARD: 4  
FIRE HAZARD: 3  
REACTIVITY HAZARD: 0

MSDS LEGEND

MW: MOLECULAR WEIGHT  
MF: MOLECULAR FORMULA  
VOC: VOLATILE ORGANIC COMPOUNDS  
ACGIH: AMERICAN CONFERENCE OF  
GOVERNMENTAL INDUSTRIAL HYGIENISTS  
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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