

TBTU

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CATALOG No. : 40118

MSDS Name : TBTU

Synonyms : O-(Benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium tetrafluoroborate;
2-(1H-Benzotriazol-1-yl)-1,1,3,3-tetramethyluronium tetrafluoroborate

Company Identification: Shanghai Medpep Co., Ltd.

For information, Call: +86 21 65566949

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazard Component: TBTU

Purity: 99% min.

CAS No : 125700-67-6

Molecular Formula: C₁₁H₁₆BF₄N₅O

Molecular Weight: 321.1

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW :

NOT AVAILABLE.

POTENTIAL HEALTH EFFECTS :

THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN INVESTIGATED. USE APPROPRIATE PROCEDURES TO PREVENT OPPORTUNITIES FOR DIRECT CONTACT WITH THE SKIN OR EYES AND TO PREVENT INHALATION.

SECTION 4. FIRST-AID MEASURES

EYES:

NOT AVAILABLE.

SKIN :

NOT AVAILABLE.

INGESTION: :

DO NOT INDUCE VOMITING. IF CONSCIOUS AND ALERT, RINSE MOUTH AND DRINK 2-4 CUPFULS OF MILK OR WATER.

INHALATION :

NOT AVAILABLE.

NOTES FOR PHYSICIAN

TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY: NOT AVAILABLE.

FLASH POINT : NOT AVAILABLE .

AUTOIGNITION TEMPERATURE: NOT AVAILABLE.

EXPLOSION LIMITS, LOWER: NOT AVAILABLE.

EXPLOSION LIMITS, UPPER: NOT AVAILABLE.

EXTINGUISHING MEDIA : NOT AVAILABLE.

GENERAL INFORMATION :AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN SECTION 8.

SPILLS AND LEAKS: SWEEP UP, THEN PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL.

SECTION 7. HANDLING AND STORAGE

HANDLING :

NOT AVAILABLE.

STORAGE :

KEEP REFRIGERATED. (STORE BELOW 4°C/39°F.).

HYGIENE PRACTICES :

NOT AVAILABLE.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS :

USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

EYES : WEAR SAFETY GLASSES AND CHEMICAL GOGGLES IF SPLASHING IS POSSIBLE.

SKIN AND CLOTHING: WEAR APPROPRIATE PROTECTIVE GLOVES AND CLOTHING TO PREVENT SKIN EXPOSURE. WEAR APPROPRIATE PROTECTIVE CLOTHING TO MINIMIZE CONTACT WITH SKIN .

RESPIRATORS : WEAR A NIOSH/MSHA OR EUROPEAN STANDARD EN 149 APPROVED FULL-FACEPIECE AIRLINE RESPIRATOR IN THE POSITIVE PRESSURE MODE WITH EMERGENCY ESCAPE PROVISIONS.

OTHER PROTECTIVE :

NOT AVAILABLE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:: Off-white to white powder.

ODOR: STENCH.

pH: NOT AVAILABLE.

VAPOR PRESSURE: NEGLIGIBLE.

VISCOSITY: NOT AVAILABLE.

BOILING POINT: NOT AVAILABLE.

Freezing/Melting Point: NOT AVAILABLE.

Decomposition Temperature: 200-205 .

Solubility in water: NOT AVAILABLE.

Specific Gravity/Density: NOT AVAILABLE.

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

CONDITIONS TO AVOID : INCOMPATIBLE MATERIALS.

INCOMPATIBILITY WITH OTHER MATERIALS : OXIDIZING AGENTS, REDUCING AGENTS, BASES, ALKALI METALS.

HAZARDOUS DECOMPOSITION PRODUCTS : CARBON MONOXIDE, OXIDES OF SULFUR, CARBON DIOXIDE, HYDROGEN SULFIDE.

HAZARDOUS POLYMERIZATION: HAS NOT BEEN REPORTED.

SECTION 11. TOXICOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION 12. ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION

Not available.

SECTION 15. REGULATORY INFORMATION

Chinese Governmental regulations.

SECTION 16. OTHER INFORMATION

LAST UPDATED : 2006,4,28

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.