Safety Data Sheet (SDS)

Revision Number: 3.0		Last updated February 17, 2021
1. Product and Company Iden	ntification	
Product Name:	HBTU; 2 - ((1H - Benzotriazole - 1 - yl) - 1,1,3,3 -
	tetramethylı	uronium hexafluorophosphate
Manufacturer/Supplier:	AnaSpec, Ir	ıc.
	www.anasp	ec.com
	34801 Cam	
	Fremont, CA 94555	
	Tel: 510-791-9560	
	Fax: 510-79	1-9572
	Email: servi	ce@anaspec.com
	Kaneka Eur	ogentec SA,
	Rue du Bois	S Saint Jean 5 4102 Seraing Belgium
	Tel. +32-4-3	3727400
	Fax. +32-4-	3727500
	E-mail info	@eurogentec.com
	Kaneka Eur	ogentec Helpdesk
	Tel. +32-4-3	3727665
Catalog Number	AS-21001;	AS-21002: AS-21015

2. Hazards Identification

Emergency Overview: We do recommend handling all chemicals with caution. Use proper protective equipment when handling chemicals. To our knowledge, the hazards of this material have not been thoroughly investigated.

GHS Hazard Classification:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H303,H313, Maybe harmful if swallowed or in contact with skin. Wear PPE

GHS Signal Words: WARNING

GHS Hazard Symbol/Pictogram:





GHS Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H303, H313 Maybe harmful if swallowed or in contact with skin. Wear PPE.

GHS Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/ eye protection/ face protection

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position Comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P337+P313 If eve 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 well-ventilated place. Keep containers tightly closed.

P405 Store locked up

P501 Dispose of contents/containers to an approved waste disposal plant.

Potential Health Effects for:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Good hygiene practice requires that exposure be kept to a minimum and that suitable control

measures be used in an occupational setting.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin: In case of contact, immediately wash skin with soap and copious amount of water.

Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Chronic Exposures: No information available. We recommend limiting prolonged exposure.

Target Organs: No information available

HMIS Classification

Health hazard: 2
Flammability: 0
Reactivity Hazard: 0

NFPA Rating

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

3. Composition / Information on Ingredients

Ingredients/Components:

HBTU; 2 - (1H - Benzotriazole - 1 - yl) - 1,1,3,3 – tetramethyluronium

hexafluorophosphate

Molecular formula: C11H16N5OPF6

Molecular weight: 379.3 CAS-No 94790-37-1

EC-No N/A

		Concentr
component	Classification	ation
HBTU; 2 - (1H - Benzotriazole - 1 - yl) - 1,1,3,3	Skin Irrit. 2; Eye Irrit. 2A;	
- tetramethyluronium	Resp. Sens. 1; Skin Sens.	
hexafluorophospha	1; STOT SE 3; H315,	
пехапиогорпоѕрпа	H319, H334, H317, H335	<=100%

4. First Aid Measures

Inhalation:	If inhaled, move to fresh air. If not breathing, give artificial respiration.	
Ingestion:	If swallowed, wash mouth with water if the person is conscious. Call a physician.	
Skin:	If skin or hair contact occurs:	
	Flush skin and hair with running water (and soap if available).	
	Seek medical attention in event of irritation.	
Eyes:	If this product comes in contact with the eyes:	
	Wash out immediately with fresh running water.	
	Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the	
	eyelids by occasionally lifting the upper and lower lids.	
	If pain persists or recurs seek medical attention.	

Conditions of flammability:		Water spray or fog.
Conditions of flammability:		Alcohol resistant foam.
		Dry chemical powder.
		BCF (where regulations permit).
		Carbon dioxi
Hazardous combustion products:		Hazardous decomposition products formed under fire conditions
		Carbon oxides, nitrogen oxides (NOx)
Special firefighting procedures:		Alert Emergency Responders and tell them location and nature of
		hazard.
		Wear breathing apparatus plus protective gloves.
		Prevent, by any means available, spillage from entering drains or water
		course.
		Use water delivered as a fine spray to control fire and cool adjacent
		area.
		DO NOT approach containers suspected to be hot.
		Cool fire exposed containers with water spray from a protected
		location.
		If safe to do so, remove containers from path of fire.
		Equipment should be thoroughly decontaminated after use
Unusual fire and explo	sions hazards:	Emits toxic fumes under fire conditions
6. Accidental Release	Measures	
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eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Conditions for safe storage

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.

Handle and store under inert gas.

8. Exposure Controls / Personal Protection

6. Exposure Controls /	1 ersonar 1 Totection
Engineering controls	Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by mutual friction. Exhaust ventilation should be designed to prevent accumulation and re-circulation of particulates in the workplace. If in spite of local exhaust an adverse concentration of the substance in air could occur, respiratory protection should be considered. Such protection might consist of: (a): particle dust respirators, if necessary, combined with an absorption cartridge; (b): filter respirators with absorption cartridge or canister of the right type; (c): fresh-air hoods or masks Build-up of electrostatic charge on the dust particle, may be prevented by bonding and grounding. Powder handling equipment such as dust collectors, dryers and mills may require additional protection measures such as explosion venting. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to efficiently remove the contaminant. PPE Use personal protective equipment
PPE	Use personal protective equipment

9. Physical and Chemical Properties

Physical State	liquid
Odour	Not available
Solubility in Water	Not available
Specific Gravity	Not available
рН	Not available
Boiling Point	N/A
Melting Point	Not available
Flash Point	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A

10. Stability and Reactivity

Thermal Decomposition	No data available
*	
Dangerous Products of Decomposition	No data available
Dangerous Reactions	COx, NOx when burned

11. Toxicological Information

RTECS Number N/A

Toxicity	No information available.
Health Hazards	Although ingestion is not thought to produce harmful effects, the material may still be damaging to the health of the individual following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. In an occupational setting however, ingestion of insignificant quantities is not thought to be
	cause for concern.
Potential Hazards	Not available
Carcinogenicity:	No significant acute toxicological data identified
OSHA Permissible Exposure Limit(PEL) Data	N/A
ACGIH Threshold Limit Values (TLV)	N/A

Reproductive Toxicity:

No information available

12. Ecological Information

No information available.

13. Disposal Considerations

All waste must be handled in accordance with local, state and federal regulations. Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

14. Transport Information

Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT)	N/A

15. Regulatory Information

California Proposition 65: N/A

US TSCA (Toxic Substance Control Act): N/A

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act: N/A

US SARA Title III (Superfund Amendments and Reauthorization Act: N/A

US Other: N/A

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: N/A

EC Risk Statements: N/A
Other Country Regulations: N/A

16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.