

MSDS

MATERIAL SAFETY DATA SHEET

Client : **Lingen Precision Medical Products (Shanghai) Co., Ltd.**
No.59, Yewang Road, Yexie Industrial Park, 201609, Songjiang District,
Shanghai, China

Prepared by : **Shenzhen CCT Testing Technology Co., Ltd.**
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Report Date : **2021-01-18**

Report No. : **CCT21011502NRS**

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Shenzhen CCT Testing Technology Co., Ltd

Drafted By: Mark

Review By: Irence

Approved By: Tony mo



SECTION 1. CHEMICAL PRODUCT INFORMATION

Product details:

Product name : Disposable virus sampling tube
 Model : MTM, VTM, ATM, UTM, CTM, KTM, PTM, NTM, FTM
 Mark : /
 TEL : 021-57802277
 Fax : 86-21-64857822
 E-mail : marketing@labtub.com

Supplier/Manufacturer

Applicant : Lingen Precision Medical Products (Shanghai) Co., Ltd.
 Address : No.59, Yewang Road, Yexie Industrial Park, 201609, Songjiang District, Shanghai, China

Summary:

As specified by the client, This safety data sheet was prepared in accordance with Un GHS Rev.7, The EU CLP REGULATION(EC) No 1272/2013, and US OSH Hazard Communication Standards(29 CFR 1910.1200). Please refer to attached report for details.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview	Not likely to be an irritant in the solid form. Not likely to form a dust in the solid filament form.
Potential Acute Health Effects:	<p>Inhalation: Not likely to form an inhalable dust in the solid filament form and for the intended use. Thermal decomposition may result in release of toxic airborne contaminants.</p> <p>Sensitization: Not likely to result in a sensitizing effect under the intended use.</p>
Potential Chronic Health Effects:	<p>Carcinogenic Effects: No known carcinogenic effects</p> <p>Mutagenic Effects: No known mutagenic effects</p> <p>Teratogenic Effects: No known teratogenic effects</p> <p>Developmental Toxicity: No known developmental toxicity</p>
Reported as carcinogen	Not applicable

SECTION 3. COMPOSITION /HAZARDOUS INGREDIENTS

Chemical Name	CAS No.	Content (wt%)
MTM		
Isothiocyanate Gua	----	23.6
Guanidine hydrochloride	50-01-1	10
NLS	----	0.5
TCEP	----	0.03
Tris-HCL	----	10
Chelating agent	----	1
Organic alcohol	----	11.5
Defoamer	----	0.2
Water	7732-18-5	43.17
VTM		
Bovine serum albumin BSA	17879-45-7	0.5
E-mem basic medium	----	0.96
Sodium bicarbonate	144-55-8	0.08
Phenol red solution	----	10
Benzylpenicillin potassium	132-98-9	2
Streptomycin sulfate	3810-74-0	
Gentamicin sulfate	1405-41-0	
Amphotericin B	1397-89-3	0.2
Sulfamethoxazole	723-46-6	2
Water	7732-18-5	84.26
ATM		
Sodium chloride	7647-14-5	0.3
Potassium chloride	7447-40-7	0.02
Calcium chloride	10035-04-8	0.01
Magnesium chloride (6 crystal water)	7786-30-3	0.02
Potassium dihydrogen phosphate	7778-77-0	0.02
Two sodium hydrogen phosphate (12 crystal water)	7558-79-4	0.29
Sodium mercaptoglycolate	367-51-1	0.1
Water	7732-18-5	99.24
UTM		
Sodium chloride	7647-14-5	0.7
Potassium chloride	7447-40-7	0.04

Magnesium chloride	7786-30-3	0.01
Potassium dihydrogen phosphate	7778-77-0	0.11
Two sodium hydrogen phosphate (12 crystal water)	7558-79-4	0.06
Glucose	50-99-7	0.1
L-cysteine	52-90-4	0.05
L-glutamic acid	56-86-0	0.03
Sucrose	57-50-1	0.15
Gelatin	9000-70-8	0.1
Water	7732-18-5	94.736
Phenol red solution	----	1
Benzympenicillin potassium	132-98-9	2
Streptomycin sulfate	3810-74-0	
Gentamicin sulfate	1405-41-0	
Amphotericin B	1397-89-3	
Sulfamethoxazole	723-46-6	0.2
Bovine serum albumin BSA	17879-45-7	0.5
CTM		
Quaternary ammonium salt	----	4.5
Ammonium sulphate	7783-20-2	4
Tris buffer	----	0.79
Surface active agent	----	0.2
Ethanol	64-17-5	15
TCEP	----	0.03
Water	7732-18-5	74.48
KTM		
Protease	9001-92-7	0.5
Nucleic acid releaser	----	0.25
Calcium chloride	14336-71-1	12
Tris	----	0.73
Stabilizer	----	10
Water	7732-18-5	76.52
PTM		
Disodium hydrogen phosphate	7558-79-4	0.1062
Potassium dihydrogen phosphate	7778-77-0	0.0144
sodium chloride	7647-14-5	0.85
Water	7732-18-5	99.0294
NTM		

Water	7732-18-5	89.1
FTM		
Peptone	73049-73-7	0.5
Lecithin	8002-43-5	9.5
Histidine	71-00-1	0.1
Sodium thioglycolate	367-51-1	0.05
Twain 8	----	0.1
sodium chloride	7647-14-5	0.85
Sodium thiosulfate	10102-17-7	0.2
Water	7732-18-5	88.7

SECTION 4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with plenty of water. Call a physician immediately.
Skin Contact:	Rinse immediately with plenty of water. If skin irritation persists, call a physician. Cool skin rapidly with cold water after contact with hot polymer
Inhalation:	Move to fresh air. Call a physician immediately if irritation persists.
Ingestion:	Drink water as a precaution. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician immediately.

SECTION 5. FIGHTING MEASURES

Suitable extinguishing Media	Water spray, dry chemical, foam. CO2 may be ineffective on large fires
Unsuitable extinguishing Media	Not applicable
Fire fighting instructions:	Fire fighters should wear positive pressure self-contained breathing apparatus and should be equipped with protective clothing. Keep people away and isolate fire area.
Special measures	Not applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

Fire fighting instructions:	In case of spill sweep up material and place in containers for re-use or disposal.
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SECTION 7. HANDING AND STORAGE

HANDING	Use normal good industrial hygiene and housekeeping practices. Take precautionary measures against static discharges.
STORAGE	Store in a cool, dry, well-ventilated area. Keep away from heat, sparks and flames. Keep containers closed. Avoid moisture contamination. Transferring dry pellets or granules between containers or charging into solvents can cause a build-up of static electricity which can be sufficient to cause fires and/or explosions in the presence of flammable materials. Equipment should provide a means of dissipating any charges that may develop.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering Controls:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits
Personal Protection:	Respiratory :In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Eyes : safety glasses with side-shields
Exposure Limits:	None known.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Color:	Colorless, mei red, shallow brown
Odor:	Slightly smelly
Density:	Not available.
Boiling Point:	Not available.
Melting Point:	Not available.
Flashpoint:	Not available.
Vapour pressure:	Not available.
Solubility in water:	Not available.
Viscosity:	Not available.
PH Value:	Not available.
Permission of solvent inhalation:	Not available.
Ignition temperature:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	The product is stable.
Instability Temperature:	Not available
Incompatibility with various substances:	Reactive with oxidizing agents, metals, acids
Special Remarks on Reactivity:	Incompatible with air, unsaturated oils, 2-Nitrobenzaldehyde, strong oxidizers such as fluorine, chlorine trifluoride, and potassium peroxide.
Conditions to avoid:	Not available.
Special Remarks on Corrosivity:	Not available.
Polymerization:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential acute health effects	Inhalation: Non-irritating to the respiratory system. Ingestion: Not hazardous in normal industrial use. Skin: Non-irritating. Molten polymer will adhere to skin causing deep thermal burns. Eyes: May cause physical abrasion in contact with eyes. Molten polymer will cause serious burns to the eyes.
Toxicity to Animals:	LD50: Not available. LC50: Not available.
Chronic effects	No known significant effects or critical hazards.
Target organs	No known significant effects or critical hazards.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	May cause adverse reproductive effects.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available..
BOD5 and COD:	Not available.
Products of Biodegradation:	Not Determined
Toxicity of the Products of Biodegradation:	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation:	Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
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SECTION 14. TRANSPORT INFORMATION

This product applied to by sea, by air and by land

DOT Classification:	Not applicable.
IATA :	Not regulated as dangerous goods.
IMDG Class	Not applicable
UN-Number	Not applicable.
UN Proper shipping name	Not applicable.
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable

SECTION 15. REGULATORY INFORMATION

- 《Dangerous Goods Regulation》
- 《Recommendations on Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and code of dangerous goods》
- 《Occupational Safety and Health Act》 (OSHA)
- 《Toxic Substances Control Act》 (CPSA)
- 《Federal Environmental Pollution Control Act》 (FEPCA)
- 《The Oil Pollution Act》 (OPA)
- 《Superfund Amendments and Reauthorization Act III(302/311/312/313)》 (SARA)
- 《Resource Conservation and Recovery Act》 (RCRA)
- 《Safety Drinking Water Act》 (CWA)
- 《California Proposition 65》
- 《Code of Federal Regulations》 (CFR) In accordance with all Federal, State and local laws.

SECTION 16. REGULATORY INFORMATION

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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