



**MATERIAL SAFETY
DATA SHEET**

Emergency Numbers: Beckman Coulter @ 714-871-4848

Chemtrec @ 1-800-424-9300

1. IDENTIFICATION OF PRODUCT

This Material Safety Data Sheet applies to:

- | | |
|-------------------------------|------------------------|
| <u>Product Name</u> | <u>Part No.</u> |
| HemosIL RecombiPlasTin | 20002900 |
| | 20003000 |
- **RecombiPlasTin (RFT)**
 - **RecombiPlasTin Diluent (RFT Diluent)**

2. COMPOSITION

INGREDIENT NAME	CONCENTRATION PERCENT BY WEIGHT
RecombiPlasTin (RFT)	
Assy Hazard Classification: Xn R22 S24/25-29-36	
-Tris-hydroxymethyl-aminomethane	1.98
CAS No.: 77-86-1	
EINECS No.: 201-064-4	
Hazard Classification: Xi (as raw material)	
Risk Code: R36-37-38	
R36/37/38: Irritating to eyes, respiratory system and skin.	
Safety Code: S26 -36	
-Sodium Azide (preservative)	0.17
Preservative	
CAS No.: 26628-22-8	
EINECS No.: 247-852-1	
Hazard classification: T+ (as raw material)	
Risk code: R28-32	
R28: very toxic if swallowed	
R32: contact with acids liberates very toxic gas	
Safety Code: S28 - 45	
-CHAPS	0.0025
3-[(3-Cholamidopropyl)dimethylammino]-1-propane-sulfonate	
CAS No.: 75621-03-3	
EINECS No.: Unknown	
Hazard classification: Xi (as raw material)	
Risk code: R36/37/38	
R36/37/386: irritating to eyes, respiratory system and skin	
Safety Code: S26 - 36	



2. COMPOSITION (Continued)

INGREDIENT NAME	CONCENTRATION PERCENT BY WEIGHT
RecombiPlasTin (RFT) Diluent	
Assy Hazard Classification:	
S24/25-29-36	
-PROXEL GXL (Preservative)	0.1
Hazard classification: Xi	
(mixture of various ingredients):	
a) 1-2 Benzisothiazol-3 (2H)-one hydrate	
CAS No.: 2634-33-5 EINECS No.: 220-12-09	
Xn , R 22/38/43	
b) Sodium Hydroxide	
CAS No.: 1310-73-2 EINECS No.: 215-185-5	
C, R 35	
c) Dipropylene Glycol	
CAS No.: 25265-71-8	
Xi, R-36/37/38	
-Polybrene	0.0004
CAS No.: 28728-55-4	
Hazard Classification: Xn (as raw material)	
Risk code: R20/21/22	
R20/21/22: harmful by inhalation, in contact with skin or if swallowed	
Safety Code: S26-36	
-Calcium Chloride Dihydrate	0.18
CAS No.: 10035-04-8	
EINECS No.: 233-140-8	
Hazard Classification: Xi (as raw material)	
Risk Code: R36: irritating to eyes	
Safety Code: S22-24	

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES

Direct eye contact may cause redness and irritation.

SKIN

Prolonged or repeated contact may cause skin irritation. Avoid prolonged or repeated contact with the skin.

INGESTION

Harmful if swallowed.

INHALATION

Mild irritant.



4. FIRST AID MEASURES

EYES

In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.

SKIN

Promptly wash exposed areas thoroughly with soap and water. If irritation persists, obtain medical attention.

INGESTION

Rinse mouth with plenty of water. Obtain medical attention or contact the local Poison Control Center.

INHALATION

Remove individual to fresh air and obtain medical assistance.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

LOWER EXPLOSIVE LIMIT (%): Not Applicable

UPPER EXPLOSIVE LIMIT (%): Not Applicable

FIRE AND EXPLOSION HAZARDS

None known.

EXTINGUISHING MEDIA

Use any extinguishing agent which is suitable for the surrounding fire.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus and protective clothing that is appropriate for fighting a typical fire involving chemical materials.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in Section 8.

Clean up spills in a manner which does not disperse dust into the air or create aerosols of prepared solutions. Dry spills should be moistened with water or an EPA approved disinfectant. Contain spill and decontaminate the area. Pick up material and dispose in biohazard/sharps container as appropriate.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

Reference the product labeling for handling and storage instructions.

Special requirements: Keep away from acids (sodium azide reacts strongly) and away from contamination with heavy metals. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussion. Flush drains with water thoroughly after disposing of fluids containing sodium azide.

WORK/HYGIENIC PRACTICES

Wash hands with soap and water after use.

8. PERSONAL PROTECTION

ENGINEERING CONTROLS

None normally required.

EYE/FACE PROTECTION

Safety glasses or splash goggles may be necessary to prevent eye contact.

SKIN PROTECTION

Wear rubber or plastic gloves and other protective clothing as required to prevent skin contact.

RESPIRATORY PROTECTION

None normally required with adequate ventilation

OTHER/GENERAL PROTECTION

None normally required.



9. PHYSICAL AND CHEMICAL PROPERTIES

	<u>RecombiPlasTin (RFT)</u>	<u>RecombiPlasTin Diluent (RFT Diluent)</u>
Appearance:	lyophilized powder	liquid
Color	white to yellowish powder	clear to slightly yellow
Odor:	odorless	odorless
Density:	Not Determined	Not Determined
pH:	7.4 at 25°C	Not Determined

BASIC PHYSICAL PROPERTIES

VAPOR PRESSURE: Not determined

SPECIFIC GRAVITY: Not determined

SOLUBILITY (H₂O): Not determined

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): See Insert Sheet

HAZARDOUS DECOMPOSITION PRODUCTS

RecombiPlasTin (RTF): Harmful fumes of oxides or carbon, nitrogen and sulfur oxides may be formed during thermal decomposition (sodium azide)

RecombiPlasTin Diluent (RFT Diluent): Harmful fumes of oxides or carbon, nitrogen, Br⁻ and SO_x may be formed during thermal decomposition

HAZARDOUS POLYMERIZATION: Will Not Occur

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP : no IARC: no OSHA :no

Tris-hydroxymethyl-aminomethane: orl-rat LD50 5900 mg/kg. No toxic effected noted. (NIOSH).

Sodium Azide: orl-rat LD50 27 mg/kg; skn-rbt LD50 20 mg/kg; TLV CEILING 0.11 ppm (0.3 mg/m³).

OSHA PEL Final-CL: 0.1 ppm (HN₃) (skin); OSHA PEL Final-CL: 0.3 mg (NaN₃)/m³(skin).

Experimental mutagenic and tumorigenic data (NIOSH 1985/86).

CHAPS (3-[3-Cholamidopropyl] dimethylammonio]-1-propane-sulfonate: to the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated (CHAPS MSDS-Sigma)

Calcium Chloride: ipr-mus LD50 20500 mg/kg; orl-rat LD50 1000 mg/kg (anhydrous form); mutagenic and tumorigenic data (anhydrous form) (NIOSH 1985/86).

Polybrene: inv-rat LD50 20 mg/kg, inv-mus LD50 28 mg/kg (NIOSH).

The health effects noted above are based on the extrapolation of data on the pure product ingredients. To the best of our knowledge, no health effects have been identified for the product mixture under normal conditions of use, although the health effects of the product have not been thoroughly investigated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known



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12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

No ecotoxicological data are available on the product.

Sodium Azide: effect toxic to fish (0.98-8 mg/L) and plankton (5-14 mg/L).

Calcium Chloride dry: effect toxic to fish (5100 mg/L) and crustacean (990 mg/L)

Use in accordance with good laboratory practice. Do not waste in the environment.

13. DISPOSAL CONSIDERATIONS

Based on EEC Directive No. 75/442 and 78/319 and following modifications, the product waste is classified as toxic and harmful (azides). Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

This product is classified and labeled in accordance with EEC Directive 88/379 and EEC Directive 91/155 and following modifications. The health hazard classification has been determined based on composition and hazard data of each ingredient. Physical and health hazard information on the reagent mixture has not been determined. Any physical and health hazard information noted is based on a) evaluation of data of the pure ingredient and b) concentration of each ingredient.

KIT HAZARD CLASSIFICATION

- Symbol: Xn (**Harmful**)
- Risk Code: R22 (**Harmful if swallowed**)
- Safety Code: S24/25 - 29 - 36
 - S24/25: avoid contact with skin and eyes
 - S29: do not empty into drains
 - S36: wear suitable protective clothing

16. OTHER INFORMATION

REFERENCE DOCUMENTATION

Primary references used in the preparation of this document

1. Product Specification.
2. Product Insert.

NOTE

The information supplied in this Material Safety Data Sheet represents the data and best information available at the date of preparation. It is provided with the aim of allowing proper and safe use, storage, transport and disposal of the product. It is not to be considered as a warranty or specification of product quality. It is related to the materials specifically indicated and does not apply if these are used in combination with other materials or during processes not specifically indicated in the text of this Material Safety Data Sheet.