Date prepared: December 25, 2018

SAFETY DATA SHEET (SDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	TLY CULTURE® KIT 25
Supplier	
Company name	GC LYMPHOTEC Inc.
Department in charge	Reagent Manufacturing Division, Regenerative Medical Manufacturing Department
Address	18-4 Fuyuki, Koto-ku, Tokyo 135-0041, Japan
Emergency telephone number	+81-3-3630-2530
Recommended use and limitations on use	Culture flask containing 5 mL culture medium for human lymphocyte culture

2. HAZARDS IDENTIFICATION

GHS classification
This product is not classified as a hazardous mixture according to the GHS classification.
GHS label elements
No pictogram assigned
No signal word assigned

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture/single chemical: Mixture

Component	CAS No.	CSCL regulation gazette reference No.	Industrial Safety and Health Act gazette reference No.	Content (%)
Acetic acid	64-19-7	(2)-688	N/A	≤ 0.001%

4. FIRST AID MEASURES

Inhalation

Remove the victim to fresh air and try to keep them at rest and warm. If symptoms persist, seek medical advice or care.

Skin contact

Wash thoroughly with soap and plenty of water immediately. If symptoms persist, seek medical advice or care.

Eye contact

Wash thoroughly with plenty of water immediately. If symptoms persist, seek medical advice or care.

Ingestion

Rinse mouth. Do NOT induce vomiting. Seek medical advice or care immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing media

In case of fire, use foam, alcohol-resistant foam, powder, carbon dioxide, or water.

Specific hazards

Since it generates irritating or toxic gas in case of fire, wear appropriate protective equipment to avoid inhaling smoke when extinguishing fire.

Recommendations for firefighters

Special firefighting procedures

Remove combustion sources at the origin of a fire and extinguish with fire-extinguishing media.

Promptly transfer movable containers to a safe place.

If it cannot be moved, cool down the surrounding area by spraying water.

Protection of firefighters

Firefighting should be done from the upwind side, while avoiding inhaling toxic gas.

Wear a respiratory protector depending on the situation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

When indoors, ventilate thoroughly until the handling is completed. Prohibit unnecessary people from entering the leakage site. Wear appropriate protective equipment when working to avoid splashes adhering to the skin and inhalation of gas. Perform fire-extinguishing work from the upwind side and evacuate anyone who is downwind.

Environmental precautions

Do not let the leaked product flow into rivers, etc. where it could cause environmental harm. Do not discharge contaminated wastewater to the environment without proper treatment.

Methods and materials for containment and cleanup

Collect the leaked liquid in a container that can be sealed by adsorbing it using rags, dust-cloths, or soil.

7. HANDLING AND STORAGE

Handling

Technological countermeasures

Wear appropriate protective equipment to avoid inhalation and contact with the eyes, skin and clothing.

Storage

Proper storage condition:

Avoid direct sunlight, and store by freezing (-20ºC or below).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Equipment countermeasures

Handle in a place with adequate ventilation, provide a handwashing facility nearby, and display its location clearly.

Exposure limit

Acceptable concentration determined by the Japan Society for Occupational Health	No data available

Personal protective equipment

Respiratory protection

Wear a protective mask depending on the situation.

Hand protection

Wear protective gloves depending on the situation.

Eye protection

Wear protective glasses depending on the situation.

Skin and body protection

Wear long-sleeved work clothes depending on the situation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, color etc.)	Clear orange color (culture medium)
Odor	None
pH	No data available
Melting point/freezing point	No data available
Boiling point, initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower limit of flammability or explosibility range	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity/density	No data available
Solubility	No data available
Partition coefficient of n-octanol/water	No data available
Spontaneous ignition temperature	No data available
Decomposition temperature	No data available
Viscosity (coefficient of viscosity)	No data available
Kinetic viscosity	No data available

10. STABILITY AND REACTIVITY

Stability

It is stable at the recommended storage temperature.

Reactivity

The culture medium turns red when released to the atmosphere.

Possible hazardous reaction

No hazardous reactions occur in normal handling.

Conditions to avoid

Avoid high temperature and direct sunlight.

Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Local toxicity	No data available
Sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Teratogenicity	No data available
Toxicity when eaten raw	No data available
Specific target organ toxicity (single/repeated exposure)	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence, degradability	No data available
Bioaccumulation	No data available
Mobility in soil	No data available
Hazard to the ozone layer	No data available

13. DISPOSAL CONSIDERATIONS

Contents and containers shall be disposed of in accordance with appropriate laws and regulations of the region, country, or local site.

14. TRANSPORT INFORMATION

UN number is not applicable.

15. REGULATORY INFORMATION

Fire Service Act	Not applicable
Poisonous and Deleterious Substances Control Act	Not applicable
Industrial Safety and Health Act	Not applicable
Regulations for the Carriage and Storage of Dangerous Goods by Ship	Not applicable
Civil Aeronautics Act	Not applicable
PRTR Law	Not applicable
Export Trade Control Order	Not applicable

16. OTHER INFORMATION

DISCLAIMER

The contents described in this SDS do not cover all the information, but are based on the materials, information and data available at the present time. When new information is obtained, the contents of this SDS may be added or corrected.

The precaution statements are for normal handling. For special handling, please handle after taking safety measures suitable for the dosage and administration.

The basis for calculating the GHS classification category is the data published in Japan at the present time (NITE, 2016).