

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: I.S. CIRCLE WRITER
(Lab marking pen on the glass slide for immunostaining)

Product Code: PHC02-20

Recommended Use: For Laboratory Research Use Only

Supplier: Rainbow Biotechnology Co., LTD.

Address: 2F, No. 253, Sec. 4, Chung King North Road, Taipei 111, Taiwan

Telephone/Fax: +886-2-28118200 / +886-2-28118628

SECTION 2 HAZARDS IDENTIFICATION

Hazardous Property: Stimulate skin, a mucous membrane or eyes.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Proportion</u>
Vaseline (White)	8009-03-8	25 ~ 35 %
1-Bromopropan	106-94-5	20 ~ 30 %
Ligroin	8032-32-4	5 ~ 10 %
Synthetic rubber	-	20 ~ 30 %
Acrylic resin	-	3 ~ 5 %
Pigment (for colored liquid)	-	2 ~ 5 %

SECTION 4 FIRST-AID MEASURES

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes and seek medical help.

Skin contact: Immediately flush skin with plenty of water for at least 15 minutes and seek medical help.

Inhalation: (Contained in a pen, large quantity of inhalation is rare)
Remove to fresh air immediately if breathing is difficult, give oxygen and seek medical help.

Ingestion: (Contained in a pen, large quantity of ingestion is rare)
If swallowed, vomits and seek medical help immediately.

SECTION 5 PHYSICAL DATA

Vaseline

Physical state: White jelly

Color odor: White, odorless

Boiling point: 302 °C

Melting point: 36~60 °C

Vapour Pressure: 1.3 Pa (at 20 °C)

Density: 0.9 g/cm³

Solubility: Insoluble in wate

SECTION 6 FIRE & EXPLOSION HAZARD DATA

Vaseline	Flash point:	182 ~ 221 °C
	Ignition point:	> 290 °C
	Flamable limit:	Upper: 7 vol % Lower: 0.9 vol %
	Extinguishing media:	Dry chemical, foam or carbon dioxide
	Extinguish method:	Fire extinguisher

SECTION 7 STABILITY AND REACTIVITY

Vaseline	Stability:	Incompatible materials: Strong oxidizers
		Hazardous decomposition: Oxides carbon

SECTION 8 TOXICOLOGICAL INFORMATION

Acute toxicity:	No information found
Pungency:	Stimulate eyes, a nose, skin
Chronic toxicity:	No information found
Variation abiogenesis:	No information found

SECTION 9 SPILL OR LEAK PROCEDURES

Wipe it off with cloth and collect it in the container which can be sealed and wash away the spilled or leaked place with a plenty of water.

SECTION 10 HANDLING AND STORAGE

Handling:	Avoid contact with skin, a mucous membrane, eyes and wearing clothes.
	Close the cap tightly after use.
	Do not open other than the cap of the pen.
	Use in well ventilated area and keep from heat and open flame.
	Keep from small children direction.
Storage:	Do not use for the other purpose.
	Store in cool/dry place and well ventilated area.
	Keep from heat and open flame and small children direction
	Protect from direct sunlight.

SECTION 11 ECOLOGICAL INFORMATION

Fish toxicity:	No information found
Resolvability:	No information found

SECTION 12 EXPOSURE CONTROLS/PERSONAL PROTECTION

Facilities:	Immediately close the cap of the pen tightly. Install a local exhaust.
Protection:	Use a gas mask, protection glasses, gloves depending on the situation.

SECTION 13 TRANSPORT INFORMATION

Check without the leak in a container and load not to fall.
Be sure to prevent the damage and perform prevention of the collapse of the cargo.
Do not leave in the places more than 40 °C.
Transport of the products in accordance with the federal, states, local regulation and requirement .

SECTION 14 DISPOSAL INFORMATION

Dispose of the products in compliance with all applicable government and local regulations and requirement.

Disclaimer

The suggested procedures are based on experience as of the date of publication.

They are not necessarily all-inclusive nor fully adequate in every circumstance.

Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements.

No warranty, express or implied, or merchantability, fitness or otherwise is made.