Material Safety Data Sheet

Formaldehyde Calibration Standar

MANUFACTURER

SemeaTech (Shanghai) Co., Ltd.
1355 Chengbei Road, Bldg 1, Suite #801
Jiading District, Shanghai, China 201807
Email: info_cn@semeatech.com · Website: www.semeatech.com · Phone: +86-21-59547013

CHEMICAL IDENTIFICATION:

Aqueous Formaldehyde & Silica Gel.

HAZARDS IDENTIFICATIONS

Signal Word: Danger, Warning.

COMPOSITION OF INGREDIENTS

Ingredient	CAS No:	%	Symbol(s)
Formaldehyde	50-00-0	< 0.1 % w/w	Toxic
Silica Gel	112926-00-8	Grade 62	Harmful

FIRST AID MEASURES

- Inhalation: Move to an area with fresh air. If breathing becomes difficult, give oxygen and seek medical attention promptly.
- Ingestion: Rinse the mouth thoroughly with water and drink plenty of water. Do NOT induce vomiting. Seek immediate medical care.
- Skin Contact: Flush the affected skin with copious amounts of water for at least 15 minutes. Remove contaminated clothing. If irritation persists, consult a healthcare professional.
- Eye Contact: Immediately rinse the eyes with plenty of water for at least 15 minutes, lifting the eyelids to ensure thorough flushing and preventing contamination of the unaffected eye. Seek medical advice without delay.

FIRE FIGHTING MEASURES

- Extinguishing Media: All types suitable. Use extinguishing media appropriate to surrounding fire conditions.
- If involved in a fire: Emits noxious fumes under fire conditions. Wear breathing apparatus and protective clothing.

ACCIDENTAL RELEASE MEASURES

- Wear appropriate personal protective equipment (PPE). Beware of give glass shards if it has been broken.
- Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
- Ventilate area & wash spill sight after material pick up is complete.

HANDLING & STORAGE

- Handle the calibration standard under good ventilation conditions to avoid breathing in any fumes using suitable PPE.
- Store in cool, dry area away from sources of ignition.

PHYSICAL & CHEMICAL PROPERTIES

	Appearance	pH	Boiling Point	Relative Density	Solubility
Formaldehyde	Colorless liquid	2.5 - 5.5	96 – 101℃	1.09 – 1.16	Miscible
Silica Gel	White powder	3.5 - 8	N/a	0.5	Insoluble

STABILITY & REACTIVITY

Stable. Avoid naked flames, strong oxidizing agents and strong acids.

TOXICOLOGICAL INFORMATION

Can cause severe irritation to the skin, eyes and respiratory tract. It is toxic by inhalation and can cause burns to skin, respiratory tract and throat if ingested.

ECOLOGICAL INFORMATION

Degrades readily hence no adverse effects to the environment.

DISPOSAL CONSIDERATIONS

- If expired, the formaldehyde will be spent up and standard can be disposed of by landfill at an approved site, however consult local regulations before disposal.
- Care should be taken when disposing since the outer tube is glass, which could smash causing cuts. It is recommended the calibration standard be wrapped in tissue/ bubble wrap when disposing.
- A fresh standard should be disposed by incineration by a licensed waste material processor.

TRANSPORT INFORMATION

No special requirements since less than 0.1% Formaldehyde.