

SECTION 1 – CHEMICAL IDENTIFICATION

This SDS refers to the following VKIT product codes:

VSOL-LC44 VKIT HPLC Fluorescence Wavelength Accuracy Standards Kit
VSOL-LC45 VKIT HPLC Fluorescence EM Wavelength Accuracy Standards Kit
VSOL-LC55 VKIT HPLC Fluorescence Linearity Standards Kit

V5-2072 HPLC FL Detector Kit

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Quinine sulphate in water in concentrations from zero to approx. 10µg/mL
Each glass vial contains approximately 5mL.

CAS#	EINECS#	Name
6119-70-6	205-003-2	Quinine sulphate
7732-18-5	231-791-2	Water

SECTION 3 – HAZARDS IDENTIFICATION

Non-irritating to the eyes.
Non-irritating to the skin.
No hazard through ingestion.
No hazard through inhalation.

SECTION 4 – FIRST AID MEASURES

No specific treatment is necessary for eyes, skin, ingestion or inhalation as this material is non-hazardous.

SECTION 5 – FIRE FIGHTING MEASURES

This product does not represent a fire hazard since it contains a high amount of water
As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH approved, and full protective gear. Material will not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills of the product are very slippery
Remove small spills with plenty of water

SECTION 7 – HANDLING AND STORAGE

Handling: No special handling procedures are required.
Storage: Store between 4 and 30°C, away from direct sunlight.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls: There are no special ventilation requirements.

Personal protective equipment:

Eyes: Eye protection is not normally required.
Skin: Protective garments not normally required.
Clothing: Protective garments not normally required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Color Colorless

Physical state Liquid

Odor None

Odor threshold Not available.

pH (concentrated product) 6.5

Melting point/freezing point 32 °F (0 °C)

Initial boiling point and boiling range 212 °F (100 °C)

Flash point > 212 °F (> 100 °C) P-M(CC)

Evaporation rate 1 (Ether = 1)

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits**Flammability limit - lower (%)** Not available.**Flammability limit - upper (%)** Not available.**Explosive limit - lower (%)** Not available.**Explosive limit - upper (%)** Not available.**Vapor pressure** 18 mm Hg**Vapor pressure temp.** 77 °F (25 °C)**Vapor density** (Air = 1) Relative density 0.99**Relative density temperature** 70 °F (21 °C)**Solubility(ies)** Solubility (water) Not available.**Partition coefficient** (n-octanol/water) Not available.**Auto-ignition temperature** Not available.**Decomposition temperature** Not available.**Viscosity** Not available.**Viscosity temperature** 70 °F (21 °C)**Specific Gravity** 0.99**SECTION 10 – STABILITY AND REACTIVITY****Reactivity:** stable with no conditions to avoid.**Chemical Stability:** Material is stable under normal conditions**Conditions to Avoid:** Not available.**Incompatibilities with Other Materials:** None known**Hazardous Decomposition Products:** None known.**Hazardous Polymerization:** Will not occur.**SECTION 11 – TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

Inhalation None known.**Skin contact** None known.**Eye contact** None known.**Ingestion** None known.**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

Information on toxicological effects

Acute toxicity Not classified**SECTION 12 – ECOLOGICAL INFORMATION**

None available

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with local and regional regulations.

SECTION 14 – TRANSPORT INFORMATION**DOT**

Not regulated as dangerous goods.

Some containers may be exempt from Dangerous Goods/Hazmat Transport Regulations, please check BOL for exact container classification.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15 – REGULATORY INFORMATION

European labelling in accordance with EC Directives.

TSCA: Not regulated

Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibilities of such damages.