

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: SAFRANINE 1% W/V AQUEOUS SOLUTION
CAS#: Not available.
C.I. No.: Not available.
Synonym: Not available.
Chemical Name: SAFRANINE 1% W/V AQUEOUS SOLUTION
Chemical Formula: Not available.

Composition and Information on Ingredients

Name	S.K.U	% by Weight
SAFRANINE 1% W/V AQUEOUS SOLUTION	GCS-1611	100
Water	7732-18-5	99.01%
Safranin O	477-73-6	0.99%

Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:
This product is not categorized as hazardous in any GHS hazard class.
Hazards not Otherwise Classified or Covered by GHS: Data not available.

First Aid Measures

Description of first aid measures:

If inhaled

Not expected to require first aid. If necessary, remove to fresh air.

In case of skin contact May cause slight irritation.

In case of eye contact May cause slight irritation.

If swallowed

Dilute with water or milk. Call a physician if necessary.

Most Important Symptoms and Effects, Acute and Delayed:

Non-flammable, non-toxic, non-corrosive.

Does not present any significant health hazards at this low concentration. Wash areas of contact with water. EYE CONTACT: May cause slight irritation. SKIN CONTACT: May cause slight irritation.

Medical Attention or Special Treatment Needed:
Not expected to require special treatment.

Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use any means suitable for extinguishing surrounding fire. Special hazards arising from the substance or mixture Not considered to be a fire or explosion hazard.

Advice for firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

Further information

Not available.

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Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate PPE for the size and nature of the spill. As a general rule, wear safety glasses and gloves.

Environmental precautions

Not available.

Methods and materials for containment and cleaning up

Absorb with suitable material and dispose of in accordance with local regulations.

Handling and Storage

Precautions for safe handling and storage condition:

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Store at room temperature.

Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

No specific controls are needed. Normal room ventilation is adequate.

Personal

protective

equipment

Eye/face

protection
Wear safety glasses or goggles.
Skin protection
Use chemical resistant gloves.
Respiratory protection
Normal room ventilation is adequate.

Control of environmental exposure: No data available.

Physical and Chemical Properties

Information on basic physical and chemical properties a) Appearance Form

: Dark red liquid

b) Odour

: No data available.

c) Odour threshold

: No data available.

d) pH

: No data available.

e) Melting point/freezing point

: 0.0°C

f) Initial boiling point and boiling range

: 100°C - 100°C

g) Autoignition temperature

: No data available.

h) Flammability (solid, gas)

: No data available.

i) Upper/lower flammability or explosive limits

j) : No data available.

k) Flash point [°C]

: No data available.

k) Evaporation rate

: No data available.

l) Vapour pressure

: No data available.

m) Vapour density

: No data available.

n) Relative density,

: 1.01

o) Solubility in water

: Miscible.

p) Viscosity

: No data available.

q) Explosive properties

: No data available.

r) Oxidising properties

: No data available.

s) Decomposition temperature

: No data available.

t) Autoignition temperature

: No data available.

u) Molecular Weight

: No data available.

Stability and Reactivity Data

Reactivity : No data available.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available.

Conditions to avoid :

No data available.

Incompatible materials :

No data available.

Hazardous decomposition

products: Will not occur.

Toxicological Information

Information on toxicological effects

Acute Toxicity:

LD50, Oral, Mouse: 1600 mg/kg (Safranin O), details of toxic effects not reported other than lethal dose value.

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information: RTECS: No data available

Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Results of PBT and vPvB assessment : No data available.

Other adverse effects : No data available.

Disposal Considerations

Waste treatment methods: No data available.

Transformation Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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