

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94236 **Uranine**

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Revised edition: 11.04.2023

Version: 3

Printed: 20.03.2024

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Uranine
Article No.: 94236
UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Laboratory chemicals, manufacture of substances
Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606
Internet: www.kremer-pigmente.com
E-Mail: info@kremer-pigmente.com
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

Substance

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3.1.

3.2. **Mixture**

Chemical Characterization: *Fluorescent dye*
Acid Yellow 73, C.I. 45350

Information on Components / Hazardous
Ingredients:

Fluorescein sodium (C.I. 45350)	100 %	CAS-Nr: 518-47-8
		EINECS-Nr: 208-253-0
		EC-Nr:

Additional information:

4. **First Aid Measures**

4.1. **Description of the First Aid Measures**

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air. If required give artificial respiration. Keep patient warm.

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

Rinse eyes with water.

After ingestion:

Rinse mouth with plenty of water.

Never give anything by mouth to an unconscious person.

4.2. **Most important Symptoms and Effects, both Acute and Delayed**

Symptoms:

No further information available.

Effects:

4.3. **Indication of any Immediate Medical Attention and special Treatment needed**

Treatment:

No further information available.

5. **Fire-Fighting Measures**

5.1. **Extinguishing Media**

Suitable extinguishing media:

Water mist, extinguishing powder, foam, carbon dioxide.

Unsuitable extinguishing media:

5.2. **Special Hazards arising from the Substance or Mixture**

Special hazards:

Combustible material.

When heated or in case of fire: formation of hazard fumes.

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In case of fire: formation of carbon monoxide and dioxide.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Do not inhale dust. Avoid formation of dust.
Ensure adequate ventilation.*

6.2. Environmental Precautions

Environmental precautions:

*Do not allow entering sewage system.
Dilute with plenty of water.*

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Sweep up, then place into a suitable container for disposal. Avoid generating dust.

6.4. Reference to other Sections

*For information for safe handling see Section 7.
See Section 13 for information on disposal.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation and deposition of dust. Provide adequate ventilation.

Provide adequate ventilation.

Hygienic measures:

Wash thoroughly after handling.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Store containers in a well ventilated location.

Product is hygroscopic.

Requirements for storage areas and containers:

Information on fire and explosion protection:

No special measures necessary.

Storage class:

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11; Combustible solids (TRGS 510)

Further Information:

Recommended storage temperature: 15 - 25°C

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: Average value: 1.25 mg/m³; Short term value: 2.5 mg/m³

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P1).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (> 480 min, 0.11 mm).

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: reddish brown

Odor: odorless

Odor threshold:

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	<i>no information available</i>
<i>pH-Value:</i>	8.3 (H ₂ O: 10 g/l; 20°C)
<i>Melting temperature:</i>	313 - 317°C (ECHA)
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	217.16°C (967.3 hPa; ECHA)
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	0 mmHg (25°C)
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not determined</i>
<i>Solubility in water:</i>	100 g/l (20°C)
<i>Coefficient of variation (n-Octanol/Water):</i>	2.16 logKOW (ECHA)
<i>Auto-ignition temperature:</i>	> 300°C
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	600 kg/m ³
9.2. Further Information	
<i>Solubility in solvents:</i>	
<i>Viscosity, kinematic:</i>	
<i>Burning class:</i>	
<i>Solvent content:</i>	
<i>Solid content:</i>	

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Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

Product is hygroscopic.

May decompose when exposed to light over a longer period of time.

10.3. Possibility of Hazardous Reactions

The product is not dust explosive when delivered. The accumulation of fine dust can however increase the risk of dust explosion.

Vigorous reactions with strong oxidants.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Avoid direct sunlight.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

In the event of fire: see part 5.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

4740 mg/kg (mouse; ECHA)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Shall not be classified as corrosive/irritant to skin.

Irritant effect on eyes:

Shall not be classified as seriously damaging or irritating to the eye.

Inhalation:

May be harmful by inhalation.

Can cause irritation of the respiratory system.

Ingestion:

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Can be harmful when swallowed.

Sensitization:

Non sensitizing.

Mutagenicity:

No mutagenic effects observed.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

*Single exposure: no organospecific toxicity expected.
Repeated exposure: no organospecific toxicity expected.*

Aspiration hazard:

No risk of aspiration.

11.2. Information on other Hazards

No further information available.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

LC50: 1372 mg/l (96h, Oncorhynchus mykiss)

Daphnia toxicity:

EC50: > 100 mg/l (48h, Invertebrates)

Bacteria toxicity:

NOEC: 100 mg/l (250 min, microorganisms; ECHA)

Algae toxicity:

ErC50: 209,2 mg/l (72h, algae)

12.2. Persistency and Degradability

Biodegradable.

12.3. Bioaccumulation

Does not accumulate substantially in living organisms.

12.4. Mobility

Adsorption: Adsorption coefficient (Organic Carbon): 1.949

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

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1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

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IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Maritime Transport in Bulk according to IMO Instruments

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

*Seveso-III Directive (2012/18/EU):
Not listed.*

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

5.2.1. Total dust, including fine dust: > 25 wt-% (m >= 0.2 g/h, conc. 20 mg/m³)

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

EC SVHC-List (REACH, Annex XIV): not listed

15.3. Further Information

VOC Content (w/w): 0 %

RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHs): not listed.

Regulation (EU) No. 98/2013 on the marketing and use of explosives precursors: Not listed

Regulation (EC) No. 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: not forbidden and/or not restricted

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

Regulation on Persistent Organic Pollutants (POP): not listed

Listed in the following inventories:

EINECS (208-253-0), TSCA (US), AICS (AUS), DSL (CA), ENCS/CSCL (JP), KECI (KR), PICCS (PH), IECSC (CN), NZIoC (NZ), INSQ (MX), TCSI (TW)

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16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.