

## SAFETY DATA SHEET

Version 5.2  
Revision Date 07/03/2014  
Print Date 03/06/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product name : Reticulum Stain Kit  
  
Product Number : HT102A  
Brand : Sigma

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA  
  
Telephone : +1 800-325-5832  
Fax : +1 800-325-5052

#### 1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

This is a summary MSDS for a kit, for the full MSDS for each of the components listed in section 16 please visit our website.

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion (Category 1A), H314  
Serious eye damage (Category 1), H318  
Acute aquatic toxicity (Category 2), H401  
Chronic aquatic toxicity (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314  
H411

Causes severe skin burns and eye damage.  
Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P264  
P273  
P280

Wash skin thoroughly after handling.  
Avoid release to the environment.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P330 + P331  
P303 + P361 + P353

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated

P304 + P340	clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P321	Specific treatment (see supplemental first aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Refer to component MSDS

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**4. FIRST AID MEASURES**

Refer to component MSDS

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**5. FIREFIGHTING MEASURES**

Refer to component MSDS

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**6. ACCIDENTAL RELEASE MEASURES**

Refer to component MSDS

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**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in cool place.

Recommended storage temperature: 2 - 8 °C

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to component MSDS

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Refer to component MSDS

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**10. STABILITY AND REACTIVITY**

Refer to component MSDS

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**11. TOXICOLOGICAL INFORMATION**

Refer to component MSDS

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**12. ECOLOGICAL INFORMATION**

Refer to component MSDS

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**13. DISPOSAL CONSIDERATIONS**

Refer to component MSDS

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## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kits  
Marine pollutant: No  
Poison Inhalation Hazard: No

### IMDG

UN number: 3316      Class: 9      Packing group: II      EMS-No: F-A, S-P  
Proper shipping name: CHEMICAL KIT  
Marine pollutant: No

### IATA

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kit

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## 15. REGULATORY INFORMATION

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

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## 16. OTHER INFORMATION

### Kit Components:

Ferric ammonium sulfate solution (kit component only for kc692)	SIGMA	HT1024	
Gold chloride solution	SIGMA	HT1004	Skin Sens. 1; H317
Oxalic acid solution (kit component only for kc692)	SIGMA	HT1023	Eye Dam. 1; H318
Silver nitrate solution (kit component only kc474)	SIGMA	HT1012	Skin Irrit. 2; Eye Irrit. 2A; Aquatic Acute 2; Aquatic Chronic 2; H315, H319, H411
Sodium hydroxide solution	FLUKA	01882	Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 3; Aquatic Chronic 3; H314, H412
Sodium thiosulfate solution (kit component only for kc692)	SIGMA	HT1027	
Potassium permanganate solution	FLUKA	81199	Aquatic Acute 2; Aquatic Chronic 2; H411

### HMIS Rating

Health hazard: 3  
Chronic Health Hazard: \*  
Flammability: 0  
Physical Hazard 3

### NFPA Rating

Health hazard: 3  
Fire Hazard: 0  
Reactivity Hazard: 0

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling

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**Preparation Information**

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Product Safety – Americas Region  
1-800-521-8956

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