

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Commercial Product Name : ELASTIC STAINING KIT  
Mat.-No./ Genisys-No. : 05279216001

Ventana material number :

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

Recommended restrictions : For professional users only.  
on use

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

Company : Ventana Medical Systems  
1910 E. Innovation Park Drive  
85755 Tucson AZ

E-mail address :  
Telephone : 1-800-227-2155 or 520-877-2155  
Telefax :  
Responsible Department :  
In case of emergencies: : CHEMTREC 1-800-424-9300 (U.S. or  
Canada)  
1-703-527-3887  
(International)

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Explosives, Division 1.6  
Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.  
Acute toxicity, Category 4 H302: Harmful if swallowed.  
Specific target organ toxicity - single H371: May cause damage to organs.  
exposure, Category 2  
Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects.

##### Classification (67/548/EEC, 1999/45/EC)

Explosive R 1: Explosive when dry.  
Highly flammable R11: Highly flammable.  
Harmful R20/21/22, R68/20/21/22: Harmful by inhalation, in  
contact with skin and if swallowed., Harmful:  
possible risk of irreversible effects through  
inhalation, in contact with skin and if swallowed.  
Dangerous for the environment R51/53: Toxic to aquatic organisms, may cause  
long-term adverse effects in the aquatic  
environment.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H225  
H302  
H371  
H411

Highly flammable liquid and vapour.  
Harmful if swallowed.  
May cause damage to organs.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

:

#### Prevention:

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233

Keep container tightly closed.

P240

Ground/bond container and receiving equipment.

P241

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P260

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P303 + P361 + P353

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P309 + P311

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician.

P330

Rinse mouth.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.

P391

#### Storage:

P403 + P235

Store in a well-ventilated place. Keep cool.

P405

Store locked up.

#### Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### Additional Labelling:

EUH210 Safety data sheet available on request.

EUH001 Explosive when dry.

### 2.3 Other hazards

No information available.

## 3. Composition/information on ingredients

### 3.2 Mixtures

#### *Oxidizer*

#### **Classification (REGULATION (EC) No 1272/2008)**

Chronic aquatic toxicity, Category 2

H411: Toxic to aquatic life with long lasting effects.

#### **Classification (67/548/EEC, 1999/45/EC)**

Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **Hazardous components**

| Chemical Name             | CAS-No.<br>EC-No.<br>Registration<br>number | Classification<br>(67/548/EEC)  | Classification<br>(REGULATION<br>(EC) No<br>1272/2008)                                           | Concentration<br>[%] |
|---------------------------|---------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------|----------------------|
| potassium<br>permanganate | 7722-64-7<br>231-760-3                      | O; R 8<br>Xn; R22<br>N; R50-R53 | Ox. Sol. 2; H272<br>Acute Tox. 4; H302<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410 | >= 0.25 - < 2.5      |

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

#### *Decolorizer*

#### **Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### **Classification (67/548/EEC, 1999/45/EC)**

Not a hazardous substance or mixture.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### *Elastic Tissue Stain*

#### **Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 2  
Acute toxicity, Category 4  
Specific target organ toxicity - single exposure, Category 2

H225: Highly flammable liquid and vapour.  
H302: Harmful if swallowed.  
H371: May cause damage to organs.

#### **Classification (67/548/EEC, 1999/45/EC)**

Highly flammable  
Harmful

R11: Highly flammable.  
R20/21/22, R68/20/21/22: Harmful by inhalation, in contact with skin and if swallowed., Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

### **Hazardous components**

| Chemical Name     | CAS-No.<br>EC-No.<br>Registration<br>number | Classification<br>(67/548/EEC)          | Classification<br>(REGULATION<br>(EC) No<br>1272/2008)                                                  | Concentration<br>[%] |
|-------------------|---------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------|
| ethanol           | 64-17-5<br>200-578-6                        | F; R11                                  | Flam. Liq. 2; H225                                                                                      | >= 50 - <= 100       |
| methanol          | 67-56-1<br>200-659-6                        | F; R11<br>T; R23/24/25-<br>R39/23/24/25 | Flam. Liq. 2; H225<br>Acute Tox. 3; H301<br>Acute Tox. 3; H331<br>Acute Tox. 3; H311<br>STOT SE 1; H370 | >= 3 - < 10          |
| hydrogen chloride | 7647-01-0<br>231-595-7                      | C; R34<br>Xi; R37                       | Met. Corr. 1; H290<br>Skin Corr. 1B;<br>H314<br>STOT SE 3; H335                                         | < 5                  |

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

### *Elastic Clarifier*

#### **Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 2

H225: Highly flammable liquid and vapour.

#### **Classification (67/548/EEC, 1999/45/EC)**

Highly flammable

R11: Highly flammable.

### **Hazardous components**

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

**ELASTIC STAINING KIT**

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

| Chemical Name     | CAS-No.<br>EC-No.<br>Registration<br>number | Classification<br>(67/548/EEC) | Classification<br>(REGULATION<br>(EC) No<br>1272/2008)          | Concentration<br>[%] |
|-------------------|---------------------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------|
| ethanol           | 64-17-5<br>200-578-6                        | F; R11                         | Flam. Liq. 2; H225                                              | >= 50 - <= 100       |
| hydrogen chloride | 7647-01-0<br>231-595-7                      | C; R34<br>Xi; R37              | Met. Corr. 1; H290<br>Skin Corr. 1B;<br>H314<br>STOT SE 3; H335 | < 5                  |

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

*Van Gieson's Solution***Classification (REGULATION (EC) No 1272/2008)**

Explosives, Division 1.6

**Classification (67/548/EEC, 1999/45/EC)**

Explosive

R 1: Explosive when dry.

**Hazardous components**

| Chemical Name | CAS-No.<br>EC-No.<br>Registration<br>number | Classification<br>(67/548/EEC) | Classification<br>(REGULATION<br>(EC) No<br>1272/2008)                                                          | Concentration<br>[%] |
|---------------|---------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|
| picric acid   | 88-89-1<br>201-865-9                        | E; R 3<br>R 4<br>T; R23/24/25  | Expl. 1.1; H201<br>Acute Tox. 3; H301<br>Acute Tox. 3; H331<br>Acute Tox. 3; H311<br>Aquatic Chronic 3;<br>H412 | < 3                  |

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

*Sensitizer***Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

**Classification (67/548/EEC, 1999/45/EC)**

Not a hazardous substance or mixture.

**Hazardous components**

| Chemical Name | CAS-No. | Classification | Classification | Concentration |
|---------------|---------|----------------|----------------|---------------|
|---------------|---------|----------------|----------------|---------------|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

|                                | EC-No.<br>Registration<br>number | (67/548/EEC)      | (REGULATION<br>(EC) No<br>1272/2008)                         | [%]  |
|--------------------------------|----------------------------------|-------------------|--------------------------------------------------------------|------|
| ammonium iron<br>bis(sulphate) | 10138-04-2<br>233-382-4          | Xi; Xi; R36/37/38 | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335 | < 10 |

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

### 4. First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.  
Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 5. Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Refer to protective measures listed in sections 7 and 8.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

## 7. Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Use only explosion-proof equipment.  
Keep away from open flames, hot surfaces and sources of ignition.

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

- Requirements for storage areas and containers : No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : See label, package insert or internal guidelines
- Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : Laboratory chemicals

## 8. Exposure controls/personal protection

### Exposure Guidelines

*Oxidizer*

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

Contains no substances with occupational exposure limit values.

### *Decolorizer*

Contains no substances with occupational exposure limit values.

### *Elastic Tissue Stain*

#### **Components with workplace control parameters**

| Components        | CAS-No.   | Value | Control parameters       | Source                                                                           |
|-------------------|-----------|-------|--------------------------|----------------------------------------------------------------------------------|
| ethanol           | 64-17-5   | TWA   | 1,000 ppm                | USA. ACGIH Threshold Limit Values (TLV)                                          |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. NIOSH Recommended Exposure Limits                                           |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
| methanol          | 67-56-1   | TWA   | 200 ppm                  | USA. ACGIH Threshold Limit Values (TLV)                                          |
|                   |           | STEL  | 250 ppm                  | USA. ACGIH Threshold Limit Values (TLV)                                          |
|                   |           | TWA   | 200 ppm<br>260 mg/m3     | USA. NIOSH Recommended Exposure Limits                                           |
|                   |           | ST    | 250 ppm<br>325 mg/m3     | USA. NIOSH Recommended Exposure Limits                                           |
|                   |           | TWA   | 200 ppm<br>260 mg/m3     | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
|                   |           | TWA   | 200 ppm<br>260 mg/m3     | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
|                   |           | STEL  | 250 ppm<br>325 mg/m3     | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
| hydrogen chloride | 7647-01-0 | C     | 2 ppm                    | USA. ACGIH Threshold Limit Values (TLV)                                          |
|                   |           | C     | 5 ppm<br>7 mg/m3         | USA. NIOSH Recommended Exposure Limits                                           |
|                   |           | C     | 5 ppm                    | USA. Occupational                                                                |

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

**ELASTIC STAINING KIT**

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

|  |  |   |                  |                                                                        |
|--|--|---|------------------|------------------------------------------------------------------------|
|  |  |   | 7 mg/m3          | Exposure Limits (OSHA) -<br>Table Z-1 Limits for Air<br>Contaminants   |
|  |  | C | 5 ppm<br>7 mg/m3 | USA. OSHA - TABLE Z-1<br>Limits for Air<br>Contaminants -<br>1910.1000 |

*Elastic Clarifier***Components with workplace control parameters**

| Components        | CAS-No.   | Value | Control<br>parameters    | Source                                                                                    |
|-------------------|-----------|-------|--------------------------|-------------------------------------------------------------------------------------------|
| ethanol           | 64-17-5   | TWA   | 1,000 ppm                | USA. ACGIH Threshold<br>Limit Values (TLV)                                                |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. NIOSH<br>Recommended Exposure<br>Limits                                              |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. Occupational<br>Exposure Limits (OSHA) -<br>Table Z-1 Limits for Air<br>Contaminants |
|                   |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. OSHA - TABLE Z-1<br>Limits for Air<br>Contaminants -<br>1910.1000                    |
| hydrogen chloride | 7647-01-0 | C     | 2 ppm                    | USA. ACGIH Threshold<br>Limit Values (TLV)                                                |
|                   |           | C     | 5 ppm<br>7 mg/m3         | USA. NIOSH<br>Recommended Exposure<br>Limits                                              |
|                   |           | C     | 5 ppm<br>7 mg/m3         | USA. Occupational<br>Exposure Limits (OSHA) -<br>Table Z-1 Limits for Air<br>Contaminants |
|                   |           | C     | 5 ppm<br>7 mg/m3         | USA. OSHA - TABLE Z-1<br>Limits for Air<br>Contaminants -<br>1910.1000                    |

*Van Gieson's Solution***Components with workplace control parameters**

| Components  | CAS-No. | Value | Control<br>parameters | Source                                     |
|-------------|---------|-------|-----------------------|--------------------------------------------|
| picric acid | 88-89-1 | TWA   | 0.1 mg/m3             | USA. ACGIH Threshold<br>Limit Values (TLV) |
|             |         | TWA   | 0.1 mg/m3             | USA. NIOSH<br>Recommended Exposure         |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

|  |  |     |           | Limits                                                                                    |
|--|--|-----|-----------|-------------------------------------------------------------------------------------------|
|  |  | ST  | 0.3 mg/m3 | USA. NIOSH<br>Recommended Exposure<br>Limits                                              |
|  |  | TWA | 0.1 mg/m3 | USA. Occupational<br>Exposure Limits (OSHA) -<br>Table Z-1 Limits for Air<br>Contaminants |
|  |  | TWA | 0.1 mg/m3 | USA. OSHA - TABLE Z-1<br>Limits for Air<br>Contaminants -<br>1910.1000                    |

### *Sensitizer*

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection : Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### *Oxidizer*

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Appearance                             | : liquid                        |
| Colour                                 | : violet                        |
| Odour                                  | : none                          |
| pH                                     | : neutral                       |
| Melting point/range                    | : no data available             |
| Boiling point/boiling range            | : no data available             |
| Flash point                            | : not applicable                |
| Flammability (solid, gas)              | : The product is not flammable. |
| Lower explosion limit                  | : no data available             |
| Upper explosion limit                  | : no data available             |
| Vapour pressure                        | : no data available             |
| Water solubility                       | : completely miscible           |
| Partition coefficient: n-octanol/water | : no data available             |
| Ignition temperature                   | : no data available             |
| Thermal decomposition                  | : no data available             |
| Viscosity, dynamic                     | : no data available             |

##### *Decolorizer*

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Appearance                             | : liquid                        |
| Colour                                 | : colourless                    |
| Odour                                  | : none                          |
| pH                                     | : neutral                       |
| Melting point/range                    | : no data available             |
| Boiling point/boiling range            | : no data available             |
| Flash point                            | : not applicable                |
| Flammability (solid, gas)              | : The product is not flammable. |
| Lower explosion limit                  | : no data available             |
| Upper explosion limit                  | : no data available             |
| Vapour pressure                        | : no data available             |
| Water solubility                       | : completely miscible           |
| Partition coefficient: n-octanol/water | : no data available             |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

|                                        |                       |
|----------------------------------------|-----------------------|
| Ignition temperature                   | : no data available   |
| Thermal decomposition                  | : no data available   |
| Viscosity, dynamic                     | : no data available   |
| <i>Elastic Tissue Stain</i>            |                       |
| Appearance                             | : liquid              |
| Colour                                 | : violet              |
| Odour                                  | : alcohol-like        |
| Melting point/range                    | : no data available   |
| Boiling point/boiling range            | : no data available   |
| Flash point                            | : ca. 19 °C           |
| Lower explosion limit                  | : no data available   |
| Upper explosion limit                  | : no data available   |
| Vapour pressure                        | : no data available   |
| Water solubility                       | : completely miscible |
| Partition coefficient: n-octanol/water | : no data available   |
| Ignition temperature                   | : no data available   |
| Thermal decomposition                  | : no data available   |
| Viscosity, dynamic                     | : no data available   |
| <i>Elastic Clarifier</i>               |                       |
| Appearance                             | : liquid              |
| Colour                                 | : colourless          |
| Odour                                  | : alcohol-like        |
| pH                                     | : acidic              |
| Melting point/range                    | : no data available   |
| Boiling point/boiling range            | : no data available   |
| Flash point                            | : ca. 19 °C           |
| Lower explosion limit                  | : no data available   |
| Upper explosion limit                  | : no data available   |
| Vapour pressure                        | : no data available   |
| Water solubility                       | : completely miscible |
| Partition coefficient: n-octanol/water | : no data available   |
| Ignition temperature                   | : no data available   |
| Thermal decomposition                  | : no data available   |
| Viscosity, dynamic                     | : no data available   |
| <i>Van Gieson's Solution</i>           |                       |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Appearance                             | : liquid                            |
| Colour                                 | : red                               |
| Odour                                  | : very faint                        |
| pH                                     | : acidic                            |
| Melting point/range                    | : no data available                 |
| Boiling point/boiling range            | : no data available                 |
| Flash point                            | : not applicable                    |
| Lower explosion limit                  | : no data available                 |
| Upper explosion limit                  | : no data available                 |
| Vapour pressure                        | : no data available                 |
| Water solubility                       | : completely miscible               |
| Partition coefficient: n-octanol/water | : no data available                 |
| Ignition temperature                   | : no data available                 |
| Thermal decomposition                  | : no data available                 |
| Viscosity, dynamic                     | : no data available                 |
| Explosive properties                   | : Explosive when dry., Division 1.6 |

### *Sensitizer*

|                                        |                       |
|----------------------------------------|-----------------------|
| Appearance                             | : liquid              |
| Colour                                 | : gold                |
| Odour                                  | : none                |
| pH                                     | : acidic              |
| Melting point/range                    | : no data available   |
| Boiling point/boiling range            | : no data available   |
| Flash point                            | : not applicable      |
| Lower explosion limit                  | : no data available   |
| Upper explosion limit                  | : no data available   |
| Vapour pressure                        | : no data available   |
| Water solubility                       | : completely miscible |
| Partition coefficient: n-octanol/water | : no data available   |
| Ignition temperature                   | : no data available   |
| Thermal decomposition                  | : no data available   |
| Viscosity, dynamic                     | : no data available   |

## 9.2 Other information

### *Oxidizer*

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

### *Decolorizer*

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

### *Elastic Tissue Stain*

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

### *Elastic Clarifier*

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

### *Van Gieson's Solution*

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

### *Sensitizer*

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

## 10. Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Further information: No decomposition if stored and applied as directed.

: Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : no data available

Heat, flames and sparks.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

## 11. Toxicological information

### 11.1 Information on toxicological effects

Further information : Solvents may degrease the skin.

#### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

#### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

#### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

#### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

#### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

#### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 12. Ecological information

### 12.1 Toxicity

#### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

#### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

#### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

#### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

#### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

#### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

### 12.2 Persistence and degradability

#### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

#### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 12.3 Bioaccumulative potential

### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 12.4 Mobility in soil

### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 12.5 Results of PBT and vPvB assessment

### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 12.6 Other adverse effects

### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

### *Oxidizer*

No ingredients are hazardous according to OSHA criteria.

### *Decolorizer*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Tissue Stain*

No ingredients are hazardous according to OSHA criteria.

### *Elastic Clarifier*

No ingredients are hazardous according to OSHA criteria.

### *Van Gieson's Solution*

No ingredients are hazardous according to OSHA criteria.

### *Sensitizer*

No ingredients are hazardous according to OSHA criteria.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### 14. Transport information

#### 14.1 UN number

|      |        |
|------|--------|
| DOT  | : 1170 |
| IMDG | : 1170 |
| IATA | : 1170 |

#### 14.2 Proper shipping name

|      |           |
|------|-----------|
| DOT  | : Ethanol |
| IMDG | : Ethanol |
| IATA | : Ethanol |

#### 14.3 Transport hazard class

|      |     |
|------|-----|
| DOT  | : 3 |
| IMDG | : 3 |
| IATA | : 3 |

#### 14.4 Packing group

|                                          |                              |
|------------------------------------------|------------------------------|
| <b>DOT</b>                               |                              |
| Packaging group                          | : II                         |
| Labels                                   | : 3                          |
| Tunnel restriction code                  | : packed, Transport in tanks |
| <b>IMDG</b>                              |                              |
| Packaging group                          | : II                         |
| Labels                                   | : 3                          |
| EmS Number                               | : F-E, S-D                   |
| <b>IATA_C</b>                            |                              |
| Packing instruction (cargo aircraft)     | : 364                        |
| Packaging group                          | : II                         |
| Labels                                   | : 3                          |
| <b>IATA_P</b>                            |                              |
| Packing instruction (passenger aircraft) | : 353                        |
| Packaging group                          | : II                         |
| Labels                                   | : 3                          |

#### 14.5 Environmental hazards

|                           |      |
|---------------------------|------|
| <b>DOT</b>                |      |
| Environmentally hazardous | : no |
| <b>IMDG</b>               |      |
| Marine pollutant          | : no |
| <b>IATA</b>               |      |
| Environmentally hazardous | : no |

#### 14.6 Special precautions for user

no data available

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

Remarks : not applicable

### 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

*Oxidizer*

#### REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

#### CERCLA Reportable Quantity

Components : potassium permanganate 100 lbs

#### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

SARA 311/312 Hazards : No SARA Hazards

#### EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

#### Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

potassium permanganate 0.5 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

#### Clean Water Act

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

potassium permanganate

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

potassium permanganate

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

|            |   |                        |            |
|------------|---|------------------------|------------|
| Components | : | water                  | 90 - 100 % |
|            |   | potassium permanganate | 0.1 - 1 %  |

#### New Jersey Right To Know

|            |   |       |            |
|------------|---|-------|------------|
| Components | : | water | 90 - 100 % |
|------------|---|-------|------------|

|                                      |   |                                                                                                                                          |  |
|--------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>California Prop 65 Components</b> | : | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. |  |
|--------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|--|

### Decolorizer

## REGULATORY INFORMATION

**OSHA Hazards** : No OSHA Hazards

**WHMIS Classification** : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity

#### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

No SARA Hazards

### EPCRA - Emergency Planning and Community Right-to-Know Act

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

**SARA 304** : This material does not contain any components with a section 304 EHS RQ.

### Clean Air Act

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

Components : water 90 - 100 %

#### New Jersey Right To Know

Components : water 90 - 100 %

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### *Elastic Tissue Stain*

## REGULATORY INFORMATION

**OSHA Hazards** : Flammable liquid  
Corrosive to skin  
Severe eye irritant  
Moderate respiratory irritant

**WHMIS Classification** : B2 Flammable liquid  
Flammable liquid  
D2B Toxic Material Causing Other Toxic Effects  
Moderate respiratory irritant  
E Corrosive Material  
Severe eye irritant

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

Corrosive to skin

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity

Components : methanol 5000 lbs

### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Fire Hazard  
Acute Health Hazard

### EPCRA - Emergency Planning and Community Right-to-Know Act

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304** : This material does not contain any components with a section 304 EHS RQ.

Components : methanol  
hydrogen chloride

### Clean Air Act

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

methanol 7 %

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

hydrogen chloride 1 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

hydrogen chloride 1 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM1 Intermediate or Final VOC's (40 CFR 60.489):

ethanol 66.5 %

methanol 7 %

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

hydrogen chloride

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

hydrogen chloride

### US State Regulations

#### Massachusetts Right To Know

|            |   |                   |           |
|------------|---|-------------------|-----------|
| Components | : | ethanol           | 50 - 70 % |
|            |   | methanol          | 5 - 10 %  |
|            |   | hydrogen chloride | 1 - 5 %   |

#### Pennsylvania Right To Know

|            |   |                   |           |
|------------|---|-------------------|-----------|
| Components | : | ethanol           | 50 - 70 % |
|            |   | water             | 20 - 30 % |
|            |   | methanol          | 5 - 10 %  |
|            |   | hydrogen chloride | 1 - 5 %   |

#### New Jersey Right To Know

|            |   |                   |           |
|------------|---|-------------------|-----------|
| Components | : | ethanol           | 50 - 70 % |
|            |   | water             | 20 - 30 % |
|            |   | methanol          | 5 - 10 %  |
|            |   | hydrogen chloride | 1 - 5 %   |

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### *Elastic Clarifier*

## REGULATORY INFORMATION

|              |   |                               |
|--------------|---|-------------------------------|
| OSHA Hazards | : | Flammable liquid              |
|              |   | Corrosive to skin             |
|              |   | Severe eye irritant           |
|              |   | Moderate respiratory irritant |

|                      |   |                                                |
|----------------------|---|------------------------------------------------|
| WHMIS Classification | : | B2 Flammable liquid                            |
|                      |   | Flammable liquid                               |
|                      |   | D2B Toxic Material Causing Other Toxic Effects |
|                      |   | Moderate respiratory irritant                  |
|                      |   | E Corrosive Material                           |
|                      |   | Severe eye irritant                            |
|                      |   | Corrosive to skin                              |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity

Components : hydrogen chloride 5000 lbs

### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Fire Hazard  
Acute Health Hazard

### EPCRA - Emergency Planning and Community Right-to-Know Act

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304** : This material does not contain any components with a section 304 EHS RQ.

Components : hydrogen chloride

### Clean Air Act

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):**

hydrogen chloride 1 %

**The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):**

hydrogen chloride 1 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

**The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):**

ethanol 50 %

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

hydrogen chloride

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

hydrogen chloride

### US State Regulations

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

### Massachusetts Right To Know

|            |                   |           |
|------------|-------------------|-----------|
| Components | : ethanol         | 50 - 70 % |
|            | hydrogen chloride | 1 - 5 %   |

### Pennsylvania Right To Know

|            |                   |           |
|------------|-------------------|-----------|
| Components | : ethanol         | 50 - 70 % |
|            | water             | 30 - 50 % |
|            | hydrogen chloride | 1 - 5 %   |

### New Jersey Right To Know

|            |                   |           |
|------------|-------------------|-----------|
| Components | : ethanol         | 50 - 70 % |
|            | water             | 30 - 50 % |
|            | hydrogen chloride | 1 - 5 %   |

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### *Van Gieson's Solution*

## REGULATORY INFORMATION

**OSHA Hazards** : Toxic by ingestion

**WHMIS Classification** : D1B Toxic Material Causing Immediate and Serious Toxic Effects  
Toxic by ingestion

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity

### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Acute Health Hazard

### EPCRA - Emergency Planning and Community Right-to-Know Act

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

**SARA 304** : This material does not contain any components with a section 304 EHS RQ.

Components : picric acid

### Clean Air Act

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

### US State Regulations

#### Massachusetts Right To Know

Components : picric acid 1 - 5 %

#### Pennsylvania Right To Know

Components : water 90 - 100 %  
picric acid 1 - 5 %

#### New Jersey Right To Know

Components : water 90 - 100 %  
picric acid 1 - 5 %

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### *Sensitizer*

## REGULATORY INFORMATION

**OSHA Hazards** : Moderate skin irritant  
Moderate eye irritant  
Moderate respiratory irritant

**WHMIS Classification** : D2B Toxic Material Causing Other Toxic Effects  
Moderate skin irritant

Moderate respiratory irritant

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

Moderate eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity

### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Acute Health Hazard

### EPCRA - Emergency Planning and Community Right-to-Know Act

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304** : This material does not contain any components with a section 304 EHS RQ.

### Clean Air Act

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

Components : water 90 - 100 %

#### New Jersey Right To Know

Components : water 90 - 100 %

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ELASTIC STAINING KIT

Version 1.0

Revision Date 03-06-2013

Print Date 05-13-2013

ammonium iron  
bis(sulphate)

1 - 5 %

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

### 16. Other information

**Full text of R-phrases referred to under sections 2 and 3**

R 1 Explosive when dry.

**Full text of H-Statements referred to under sections 2 and 3.**

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.