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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**

Product name : Gram Staining Kit

Product Number : 77730  
Brand : Fluka**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  
USATelephone : +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.

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 2), H225

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

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)

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary statement(s)

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.

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	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.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
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

Normal measures for preventive fire protection.  
For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated place.

### 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

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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## 16. OTHER INFORMATION

### Kit Components:

Gram's crystal violet solution	FLUKA	94448	Flam. Liq. 3; Skin Irrit. 2; Eye Dam. 1; Carc. 2; Aquatic Acute 2; Aquatic Chronic 2; H226, H315, H318, H351, H411
Gram's iodine solution	FLUKA	90107	Skin Sens. 1; Aquatic Acute 3; Aquatic Chronic 3; H317, H412
Gram's decolorizer solution	FLUKA	75482	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336
Gram's safranin solution	FLUKA	94635	Flam. Liq. 3; H226

### HMIS Rating

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

### NFPA Rating

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

### Further information

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**Preparation Information**

Sigma-Aldrich Corporation  
Product Safety – Americas Region  
1-800-521-8956

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