

# SAFETY DATA SHEET

<b>Version:</b>	1.1
<b>Revision Date:</b>	2021-04-14
<b>Print Date:</b>	2021-04-14

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

<b>Product Number:</b>	K0037
<b>Product name:</b>	Gram Staining Set All-In-One (4 x 250 ml bottles)
<b>CAS Registry Nr:</b>	n/a

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

Laboratory chemicals, Manufacture of substances.

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

<b>Company:</b>	Chemodex AG
	CH - 9000 St. Gallen
	Switzerland, Europe
	Tel: +41 71 244 48 25
	Fax: +41 71 244 48 26
	Email: <a href="mailto:info@chemodex.com">info@chemodex.com</a>
	Website: <a href="http://www.chemodex.com">www.chemodex.com</a>

### 1.4 Emergency telephone number

<b>Tox Info Suisse:</b>	145 or +41 44 251 51 51
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This is a summary MSDS for a kit.

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## SECTION 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
Carcinogenicity (Category 2)	H351

Specific target organ toxicity - single exposure (Category 3), Central nervous system	H336
Short-term (acute) aquatic hazard (Category 2)	H401
Long-term (chronic) aquatic hazard (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)

H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
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 to extinguish.
P391	Collect spillage.
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

Repeated exposure may cause skin dryness or cracking.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

<b>Synonyms:</b>	Gram Stain Kit Bacteria Staining Kit according to Gram
<b>Mol. Formula:</b>	n/a
<b>Mol. Weight:</b>	n/a
<b>CAS Registry No.:</b>	n/a

Refer to component MSDS

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## SECTION 4: First aid measures

Refer to component MSDS

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## SECTION 5: Firefighting measures

Refer to component MSDS

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## SECTION 6: Accidental release measures

Refer to component MSDS

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

#### Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

#### Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

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. Keep away from heat and sources of ignition.

Protect from light and moisture. Store at RT.

Storage class (TRGS 510): 3: Flammable liquids

### 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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## SECTION 8: Exposure controls/personal protection

Refer to component MSDS

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## SECTION 9: Physical and chemical properties

Refer to component MSDS

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## SECTION 10: Stability and reactivity

Refer to component MSDS

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## SECTION 11: Toxicological information

Refer to component MSDS

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## SECTION 12: Ecological information

Refer to component MSDS

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## SECTION 13: Disposal considerations

Refer to component MSDS

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## SECTION 14: Transport information

### DOT (US)

UN number: 3316	Class: 9	Packing group: II
Proper shipping name:	Gram Staining Set All-In-One (4 x 250 ml bottles) Chemical kits	
Poison Inhalation Hazard:	No	

### IMDG

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

### IATA

UN number: 3316	Class: 9	Packing group: II
Proper shipping name:	Gram Staining Set All-In-One (4 x 250 ml bottles) Chemical kit	

#### 14.6 Special precautions for user

No data available

#### 14.7 Further information

No data available

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### SECTION 15: Regulatory information

#### SARA 302 Components

Acetone ethanol mixture

CAS-No. 37348-17-7

Safranin T solution

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

#### Massachusetts Right To Know Components


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

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### SECTION 16: Other information

Kit Components:

Gram's crystal violet solution	G0060	Flam. Liq. 3; Eye Irrit. 2A; Carc. 2; Aquatic Acute 2; Aquatic Chronic 2; H226, H319, H351, H411
Gram's iodine solution	G0065	Aquatic Acute 3; H402
Gram's decolorizer solution	G0062	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336
Gram's safranin solution	G0061	Flam. Liq. 3; Eye Irrit. 2A; H226, H319

Gram's crystal violet solution					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
G0060		Warning	Flammable liquid and vapor. Causes serious eye irritation. Suspected of causing cancer. Toxic to aquatic life with long	Obtain special instructions before use. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Store in a well-ventilated	


			lasting effects.	<p>place. Keep cool. Dispose of contents/ container to an approved waste disposal plant. Do not handle until all safety precautions have been read and understood. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF exposed or concerned: Get medical advice/ attention. Keep container tightly closed. If eye irritation persists: Get medical advice/ attention. Ground/bond container and receiving equipment. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Collect spillage. Use only non-sparking tools. Take precautionary measures</p>	
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				against static discharge. Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.	
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**Gram's iodine solution**

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
G0065			Harmful to aquatic life.	Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.	



**Gram's decolorizer solution**

Gram's decolorizer solution Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
G0062		Danger	Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant. Keep container tightly closed.	

				<p>IF INHALED:  Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Store in a well-ventilated place. Keep cool. Ground/bond container and receiving equipment. IF IN EYES:  Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Use explosion-proof electrical/ ventilating/ lighting/ equipment. If eye irritation persists: Get medical advice/ attention. Use only non-sparking tools. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash</p>	
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				skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	
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Gram's safranin solution					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
G0061	 	Warning	Flammable liquid and vapor. Causes serious eye irritation.	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store in a well-ventilated place. Keep cool. Dispose of contents/ container to an approved waste disposal plant. Keep container tightly closed. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ground/bond container and receiving equipment. If	

				<p>eye irritation persists: Get medical advice/ attention. Use explosion-proof electrical/ ventilating/ lighting/ equipment. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Use only non-sparking tools. Take precautionary measures against static discharge. Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection.</p>	
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**Further information**

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