

Safety Data Sheet

Doc ID: SDS-0087	Effective Date: March 19, 2018	Revision: A
Trade name	Giemsa Stain Kit (May-Grunwald)	

Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade name	Giemsa Stain Kit (May-Grunwald)		
Cat ##	KT016		
Components	Kit Component	Volume	Storage
	1. May-Grunwald Stock Solution	30 ml	18-25°C
	2. Giemsa Stock Solution	8 ml	18-25°C
	3. Phosphate Buffer Solution, pH 6.8	2 x 60 ml	18-25°C
	4. Graduated Mixing Vial		

1.2 Details of the supplier of the safety data sheet

Diagnostic BioSystems, Inc. 6616 Owens Drive Pleasanton, CA 94588 (925) 484-3350 Customersupport@dbiosys.com
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1.3 Emergency telephone number

N/A






Section 1. Identification of the Substance/Mixture

1.1 Product Identifier	Product Name: Giemsa Stain Kit (May-Grunwald) (For Bone Marrow)
1.2 Intended use	EN: Laboratory reagent. For professional use only. DA: Laboratoriereagens. Kun til professionelt brug. DE: Laboratoriumreagens. Alleen voor professioneel gebruik. EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο. ES: Reactivo de laboratorio. Sólo para uso profesional. FR: Réactif de laboratoire. Pour un usage professionnel uniquement. IT: Laboratorio di reagente. Solo per uso professionale. NL: Laboratoriumreagens. Alleen voor professioneel gebruik. PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.

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Section 2. Hazards Identification

2.1 GHS Classification	Flammable liquids (Category 2), H225 Acute toxicity, Inhalation (Category 3), H331 Acute toxicity, Dermal (Category 3), H311 Acute toxicity, Oral (Category 3), H301 Specific target organ toxicity - single exposure (Category 1), H370	
Classification: Directive 1999/45/EC	 F, R11 EN: Highly flammable DA: Meget brandfarlig DE: Leichtentzündlich EL: Πολύ εύφλεκτο ES: Fácilmente inflamable FR: Facilement inflammable IT: Facilmente infiammabile NL: Licht ontvlambaar PT: Facilmente inflamável SV: Mycket brandfarligt	 T, R23/24/25, R39/23/24/25 EN: Toxic DA: Giftig DE: Giftig EL: Τοξικό ES: Tóxico FR: Toxique IT: Tossico NL: Vergiftig PT: Tóxico SV: Giftig For full text of R- & S- phrases: see Section 15.
2.2 Label Elements	Pictogram(s): <div style="text-align: center;">    </div> Signal Word: Danger	
	Hazard Statement(s): H225 – Highly flammable liquid and vapour H301 – Toxic if swallowed H311 – Toxic in contact with skin H370 – Causes damage to organs	
	Precautionary statement(s): P202 – Do not handle until all safety precautions [on SDS] have been read and understood	
	Precautionary statements not listed on label: P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water P305 + P351+P315 – IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P260 – Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.	

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NFPA Scale: 0-4			
HMIS (U.S.A.) Scale: 0-4	HEALTH	2	
	FLAMMABILITY	3	
	PHYSICAL HAZARD	0	
	PERSONAL PROTECTION	C	
2.3 Other Hazards	PBT: This mixture does not contain any substances that are assessed to be a PBT. vPvB: This mixture does not contain any substances that are assessed to be a vPvB.		

Section 3. Composition and Information on Ingredients

See components SDS

Section 4. First Aid Measures

See components SDS

Section 5. Fire Fighting Measures

See components SDS

Section 6. Accidental Release Measures

See components SDS

Section 7. Handling and Storage

7.1 Precautions for safe handling.

Avoid damaging kit.

7.2 Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.

Store at 15-30°C.

7.3 Specific end use(s).

See section 1.2

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Section 8. Exposure Controls / Personal Protection

See components SDS

Section 9. Physical and Chemical Properties

See components SDS

Section 10. Stability and Reactivity

See components SDS

Section 11. Toxicological Information

See components SDS

Section 12. Ecological Information

See components SDS

Section 13. Disposal Considerations

See components SDS

Section 14. Transport Information

14.1 UN Number DOT, IATA,IMDG, ADR	DOT: Not dangerous goods ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods
14.3 Transport Hazard Class(es)	DOT: Not dangerous goods IATA: Not dangerous goods IMDG: Not dangerous goods ADR/RID: Not dangerous goods
14.4 Packing Group DOT, IATA,IMDG, ADR	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods
14.5 Environmental Hazards	Marine Pollutant: No

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14.6 Special Precautions for User	Not applicable.
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Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.	
Extremely Hazardous Substances; Section 355	None of the components in this kit are listed.
Toxic Substances Control Act; TSCA	All of the components in this kit are listed.
California Proposition 65	None of the components in this kit are listed.
Right To Know Components	None of the components in this kit are listed.
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by Diagnostic BioSystems, Inc.
R phrases	<p>R11</p> <p>EN: Highly flammable. DA: Meget brandfarlig. DE: Leichtentzündlich. EL: Πολύ εύφλεκτο. ES: Fácilmente inflamable. FR: Facilement inflammable. IT: Facilmente infiammabile. NL: Licht ontvlambaar. PT: Facilmente inflamável. SV: Mycket brandfarligt.</p> <p>R23/24/25</p> <p>EN: Toxic by inhalation, in contact with skin and if swallowed. DA: Giftig ved indånding, ved hudkontakt og ved indtagelse. DE: Giftig beim Einatmen, Verschlucken und Berührung mit der Haut. EL: Τοξικό όταν εισπνέεται, σε επαφή με το δέρμα και σε περίπτωση καταπόσεως. ES: Tóxico por inhalación, por ingestión y en contacto con la piel. FR: Toxique par inhalation, par contact avec la peau et par ingestion. IT: Tossico per inalazione, contatto con la pelle e per ingestione. NL: Vergiftig bij inademing, opname door de mond en aanraking met de huid. PT: Tóxico por inalação, em contacto com a pele e por ingestão. SV: Giftigt vid inandning, hudkontakt och förtäring.</p> <p>R39/23/24/25</p>

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	<p>EN: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p> <p>DA: Giftig: fare for varig alvorlig skade på helbred ved indånding, hudkontakt og indtagelse.</p> <p>DE: Giftig: ernste Gefahr irreversiblen Schadens durch Einatmen, Berührung mit der Haut und durch Verschlucken.</p> <p>EL: Τοξικό: κίνδυνος πολύ σοβαρών μόνιμων επιδράσεων όταν εισπνέεται, σε επαφή με το δέρμα και σε περίπτωση καταπόσεως.</p> <p>ES: Tóxico: peligro de efectos irreversibles muy graves por inhalación, contacto con la piel e ingestión.</p> <p>FR: Toxique: danger d'effets irréversibles très graves par inhalation, par contact avec la peau et par ingestion.</p> <p>IT: Tossico: pericolo di effetti irreversibili molto gravi per inalazione, a contatto con la pelle e per ingestione.</p> <p>NL: Vergiftig: gevaar voor ernstige onherstelbare effecten bij inademing, aanraking met de huid en opname door de mond.</p> <p>PT: Tóxico: perigo de efeitos irreversíveis muito graves por inalação, em contacto com a pele e por ingestão.</p> <p>SV: Giftigt: risk för mycket allvarliga bestående hälsoskador vid inandning, hudkontakt och förtäring.</p>
S phrases	<p>S1/2</p> <p>EN: Keep locked up and out of the reach of children.</p> <p>DA: Opbevares under lås og utilgængeligt for børn.</p> <p>DE: Unter Verschluss und für Kinder unzugänglich aufbewahren.</p> <p>EL: Φυλάξτε το κλειδωμένο και μακριά από παιδιά.</p> <p>ES: Consérvese bajo llave y manténgase fuera del alcance de los niños.</p> <p>FR: Conserver sous clef et hors de portee des enfants.</p> <p>IT: Conservare sotto chiave e fuori della portata dei bambini.</p> <p>NL: Achter slot en buiten bereik van kinderen bewaren.</p> <p>PT: Guardar fechado à chave e fora do alcance das crianças.</p> <p>SV: Förvaras i låst utrymme och oåtkomligt för barn.</p> <p>S7</p> <p>EN: Keep container tightly closed.</p> <p>DA: Emballagen skal holdes tæt lukket.</p> <p>DE: Behälter dicht geschlossen halten.</p> <p>EL: Το δοχείο να διατηρείται ερμητικά κλεισμένο.</p> <p>ES: Manténgase el recipiente bien cerrado.</p> <p>FR: Conserver le récipient bien fermé.</p> <p>IT: Conservare il recipiente ben chiuso.</p> <p>NL: In goed gesloten verpakking bewaren.</p> <p>PT: Manter o recipiente bem fechado.</p> <p>SV: Förpackningen förvaras väl tillsluten.</p> <p>S16</p> <p>EN: Keep away from sources of ignition - No smoking.</p> <p>DA: Holdes væk fra antændelseskilder - Rygning forbudt.</p> <p>DE: Von Zündquellen fernhalten - Nicht rauchen.</p>

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	<p>EL: Μακριά από πηγές ανάφλεξης - Απαγορεύεται το κάπνισμα. ES: Conservar alejado de toda llama o fuente de chispas - No fumar. FR: Conserver a l'ecart de toute flamme ou source d'étincelles - Ne pas fumer. IT: Conservare lontano da fiamme e scintille - Non fumare. NL: Verwijderd houden van ontstekingsbronnen - Niet roken. PT: Manter afastado de qualquer chama ou fonte de ignição - Não fumar. SV: Förvaras åtskilt från antändningskällor - Rökning förbjuden.</p> <p>S36/37</p> <p>EN: Wear suitable protective clothing and gloves. DA: Brug særligt arbejdstøj og egnede beskyttelseshandsker. DE: Bei der Arbeit geeignete Schutzhandschuhe und Schutzkleidung tragen. EL: Φοράτε κατάλληλη προστατευτική ενδυμασία και γάντια. ES: Úsense indumentaria y guantes de protección adecuados. FR: Porter un vêtement de protection et des gants appropriés. IT: Usare indumenti protettivi e guanti adatti. NL: Draag geschikte handschoenen en beschermende kleding. PT: Usar vestuário de protecção e luvas adequadas. SV: Använd lämpliga skyddskläder och skyddshandskar.</p> <p>S45</p> <p>EN: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). DA: Ved ulykkestilfælde eller ved ildebefindende er omgående lægebehandling nødvendig; vis etiketten, hvis det er muligt. DE: Bei Unfall oder Unwohlsein sofort Arzt zuziehen (wenn möglich, dieses Etikett vorzeigen). EL: Σε περίπτωση ατυχήματος ή αν αισθανθείτε αδιαθεσία ζητήστε αμέσως ιατρική συμβουλή (δείξτε την ετικέτα αν είναι δυνατό). ES: En caso de accidente o malestar, acúdase inmediatamente al médico (si es posible, muéstresele la etiqueta). FR: En cas d'accident ou de malaise, consulter immédiatement un medecin (si possible lui montrer l'etiquette). IT: In caso di incidente o di malessere consultare immediatamente il medico (se possibile, mostrargli l'etichetta). NL: Bij een ongeval of indien men zich onwel voelt, onmiddellijk een arts raadplegen (indien mogelijk hem dit etiket tonen). PT: Em caso de acidente ou de indisposição, consultar imediatamente o médico (se possível mostrar-lhe o rótulo). SV: Vid olycksfall, illamående eller annan påverkan, kontakta omedelbart läkare. Visa om möjligt etiketten.</p>
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Section 16. Other 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. Diagnostic BioSystems shall not be held liable for any damage resulting from handling or from contact with the above product.