

Safety Data Sheet [according to Regulation (EC) No. 1907/2006]




Version number: 7.0

Revision date: 10 Nov-2017 (supersedes all previous MSDS or SDS documents provided for this product).

SECTION 1 - Identification of the substance/mixture and of the company/undertaking

1.1	Product Identifiers Product Name: Fixol Kit Fixative Solution Product Codes: 05-051 K1302
1.2	Relevant identified uses of the substance or mixture and uses advised against Relevant Identified Uses: Fixing blood cells to microscope slides.
1.3	Details of the supplier of the safety data sheet Company: Guest Medical Unit A6, Larkfield Trading Estate, Aylesford Kent. ME20 6SW United Kingdom E-mail: enquiries@guest-medical.co.uk
1.4	Emergency Telephone Number: + 44 (0) 1622 791895 Opening hours 08:30 – 17:00 Monday to Friday English language service ONLY.

SECTION 2 - Hazards identification

2.1	Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 using the bridging principle: 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 For the full text of the H statements and R-phrases mentioned in this Section, see Section 16.																				
2.2	Label elements Label according Regulation (EC) No 1272/2008: Hazard pictograms: <div style="display: flex; justify-content: space-around; align-items: center;">    </div> Signal word: Danger Hazard statements: <table style="margin-left: 20px;"> <tr><td>H225</td><td>Highly flammable liquid and vapour.</td></tr> <tr><td>H301</td><td>Toxic if swallowed.</td></tr> <tr><td>H311</td><td>Toxic in contact with skin.</td></tr> <tr><td>H331</td><td>Toxic if inhaled.</td></tr> <tr><td>H370</td><td>Causes damage to organs.</td></tr> </table> Precautionary statements: <table style="margin-left: 20px;"> <tr><td>P210</td><td>Keep away from heat/sparks/open flames/hot surfaces - No smoking.</td></tr> <tr><td>P260</td><td>Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</td></tr> <tr><td>P280</td><td>Wear protective gloves/ protective clothing.</td></tr> <tr><td>P301+P310</td><td>IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</td></tr> <tr><td>P311</td><td>Call a POISON CENTER or doctor/ physician.</td></tr> </table> Supplemental hazard statements: None	H225	Highly flammable liquid and vapour.	H301	Toxic if swallowed.	H311	Toxic in contact with skin.	H331	Toxic if inhaled.	H370	Causes damage to organs.	P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.	P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.	P280	Wear protective gloves/ protective clothing.	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.	P311	Call a POISON CENTER or doctor/ physician.
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2.3	Other hazards	None
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SECTION 3 - Composition/information on ingredients

3.2	Mixtures			
	Name	CAS No.	REACH Registration No.	% v/v
	Methanol	67-56-1	01-2119392409-28-XXXX	70-80
	Phosphate Buffered Serology Saline	N/A	-	20-30

SECTION 4 - First aid measures

4.1	Description of first aid measures	
	General notes:	Consult a physician. Show this safety data sheet to the doctor in attendance.
	After skin contact:	Wash off with soap and plenty of water and SEEK MEDICAL ADVICE.
	After eye contact:	Rinse with water for at least 15 minutes and then SEEK MEDICAL ADVICE.
	After ingestion:	Do NOT induce vomiting. Wash mouth thoroughly with water and SEEK MEDICAL ADVICE.
	After inhalation:	Move person into fresh air. If not breathing, give artificial respiration and SEEK MEDICAL ADVICE.
4.2	Most important symptoms and effects, both acute and delayed Effects as described in section 2.2.	
4.3	Indication of any immediate medical attention and special treatment needed No data available.	

SECTION 5 - Fire fighting measures

5.1	Extinguishing media	
	Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
	Unsuitable extinguishing media:	Standard water based foam.
5.2	Special hazards arising from the substance or mixture product Hazardous combustion products: Carbon oxides, formaldehyde.	
5.3	Advice for fire-fighters Wear self-contained breathing apparatus.	

SECTION 6 - Accidental release measures

6.1	Personal precautions, protective equipment and emergency procedures	
	Use personal protective equipment – see section 8. For large spillages evacuate area and prevent access to spillage area during clean up. Remove sources of ignition. Potential for vapours to accumulate to produce an explosive atmosphere. Vapour can accumulate at low level.	
6.2	Environmental precautions Prevent product from entering surface or ground water drains.	
6.3	Methods and materials for containment and cleaning up Soak up with inert absorbent material and dispose of as hazardous waste. Clean site of spillage with water and detergent. Where appropriate use signage to indicate wet surface / a slip hazard.	
6.4	Reference to other sections Refer to sections 8 and 13.	

SECTION 7 - Handling and storage

7.1	Precautions for safe handling	
	Measures to prevent fire:	Do not use in close proximity to naked flame, hot surface and other potential sources of ignition.

<p>Measures to prevent aerosol and dust generation: Measures to protect the environment: Advice on general occupational health:</p>	<p>Use in a well ventilated area. Prevent entry to surface drains and ground water. Do not eat, drink or smoke whilst handling this product. Remove any contaminated clothing or protective equipment before leaving the work area. Wash hands after use.</p>
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7.2 **Conditions for safe storage**
Store between 12 and 30°C away from potential sources of ignition and incompatible materials (see section 10).

SECTION 8 - Exposure controls/personal protection

8.1 **Control parameters**
This product contains the following substance with an occupational exposure limit value according to EH40/2005 Workplace Exposure Limits (UK).

Methanol – LTEL 200ppm / 266mg.m⁻³ ; STEL 250ppm / 333mg.m⁻³ ; Sk.

This product contains the following substance with an occupational exposure limit value listed in schedule 1 of 2011 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (Eire).

Methanol – OELV (8 hr) 200ppm / 260mg.m⁻³ ; Sk.

8.2 **Exposure controls**

Appropriate engineering controls:	Control inhalation risk with local exhaust ventilation (LEV) appropriate for the volume being handled.
Personal protective equipment:	When handling large volumes wear eye protection conforming to EN 166. Use natural or nitrile rubber gloves conforming to EN 374 shown to be chemically resistant to categories A and K. Where inhalation risk is not adequately mitigated with LEV use respiratory protective equipment either a full face mask conforming to EN 136 or valve filtering half mask to EN405 or half mask to EN140. Use A (brown; low boiling organic solvent) type filter conforming to EN371. Where RPE is used a face fit test should be carried out.
Environmental exposure controls:	Refer to sections 6 and 13.

SECTION 9 - Physical and chemical properties

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

a)	Appearance	Clear, colourless liquid
b)	Odour	No data available
c)	Odour threshold	No data available
d)	pH	8.5-9.5
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Solubility(ies)	Miscible with water
o)	Partition coefficient (n-octanol/water)	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidising properties	No data available

SECTION 10 - Stability and Reactivity

10.1 **Reactivity**
Non-reactive under normal conditions of storage and use.

10.2	Chemical stability Stable under normal conditions of storage and use.
10.3	Possibility of hazardous reactions Under appropriate conditions can react with strong acids and bases, strong oxidising agents.
10.4	Conditions to avoid Keep away from flames, hot surfaces and other sources of ignition. Storage with incompatible materials.
10.5	Incompatible materials Strong acids and bases, strong oxidising agents.
10.6	Hazardous decomposition products From methanol - carbon oxides, formaldehyde.

SECTION 11 - Toxicological information

11.1	Information on toxicological effects No test information available for this product. For methanol: Symptoms of exposure may include headache, dizziness, tiredness, nausea and vomiting. May cause blindness.																				
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SECTION 12 - Ecological information

12.1	Toxicity No test information available for this product. For methanol:						
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12.2	Persistence and Degradability No test information available for this product. Methanol is readily biodegradable and unlikely to be persistent.						
12.3	Bioaccumulative potential No test information available for this product. Methanol is unlikely to bioaccumulate.						
12.4	Mobility in soil No test information available for this product. Methanol will disperse rapidly in air.						
12.5	Results of PBT and vPvB assessment PBT/vPvB assessment is not available for this product as chemical safety assessment is not required/not conducted.						

12.6	Other adverse effects No data available
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SECTION 13 – Disposal considerations

13.1	Waste treatment methods Use a licensed waste disposal service to dispose of this material and any container washings. Wash out containers with water before reuse, recycling or disposal of container.
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SECTION 14 - Transport information

14.1	UN Number	1230
14.2	UN proper shipping name	Methanol
14.3	Transport hazard class(es)	3 (subsidiary hazard class 6.1)
14.4	Packing group	II
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	No data available.

SECTION 15 - Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture UK legislation: The Management of Health and Safety at work Regulations 1999 [SI 1999 No. 3242] (regulation 3) requires suitable and sufficient assessment of risks in the workplace. Assessment should include arrangements to so far as reasonably practical ensure the safe use, handling, storage and transport of this product. Waste product and packaging should be disposed of in accordance with the Environmental Protection Act 1990 [1990 Chapter 43].
15.2	Chemical Safety Assessment No chemical safety assessment has been carried out for this product.

SECTION 16 - Other information

<p>Revision date: 10. 11. 2017 Revision number: 7 Supersedes: 19. 04. 2015</p> <p>Full text of H-Statements referred to under sections 2:</p> <table border="0"> <tr> <td>H225</td> <td>Highly flammable liquid and vapour.</td> </tr> <tr> <td>H301</td> <td>Toxic if swallowed.</td> </tr> <tr> <td>H311</td> <td>Toxic in contact with skin.</td> </tr> <tr> <td>H331</td> <td>Toxic if inhaled.</td> </tr> <tr> <td>H370</td> <td>Causes damage to organs.</td> </tr> </table> <p style="text-align: center;">Disclaimer</p> <p>This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.</p>	H225	Highly flammable liquid and vapour.	H301	Toxic if swallowed.	H311	Toxic in contact with skin.	H331	Toxic if inhaled.	H370	Causes damage to organs.
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