 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 14.04.2018
	Item Title: Gram Stain Pack	Item Code: 8.17.009.xxxx	Issue Level: 1.1


Contents

1. Amendment Record.
2. General Information.
3. Composition, Information on Active Ingredients.
4. Hazard Information.
5. Health Hazard Data.
6. Fire & Explosion Hazard Data.
7. Accidental release measures.
8. Handling and Storage.
9. Exposure control and personal gear.
10. Physical and chemical properties.
11. Stability and Reactivity Data.
12. Toxicological information.
13. Ecological information.
14. Waste disposal information.
15. Transport information.
16. Regulatory information.
17. Other information.
18. Disclaimer.

Amendment Record

Issue Level	Date Issued	Summary of Amendment	Reviewed by
1.1	14.04.2018	General Review	Sondos Shalabi

PMX.8.17.009.xxxxD.11	Issued for Date:	Prepared by. QA Date:	Reviewed by. R&D Date:	Approved by. QA Date:	Page 1 of 5
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	Item Title: Gram Stain Pack	Item Code: 8.17.009.xxxx	Issue Level: 1.1

2. General Information.

Trade Names & Synonyms: Gram Stain Pack

Chemical Family: In Vitro Diagnostic Test kit (Stain pack)
Formula: Not Applicable.

Manufacturer: Atlas Medical.

Manufacturer's address: William James House
Cowley Road
Cambridge, CB4 0WX, UK.

Manufacturer's phone: +44 (0) 1223 858 910

Manufacturer's Fax: +44 (0) 1223 858 524

Email: info@atlas-site.com.uk

2. Chemical Identification

Counterstain – Safranin O Product name : Gram Stain (Crystal Violet, Gram Iodine, and Gram Decolouriser).

3. Composition/Information on Ingredients

Chemical Name:

4. Hazards Identification

Label Precautionary Statements

- FLAMMABLE
- Keep away from sources of ignition.
- No smoking

5. Health Hazard Data


INHALATION Remove to fresh air immediately. If symptoms occur get medical attention.

INGESTION DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if discomfort occurs.

EYE CONTACT Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

PMX.8.17.009.xxxxD.11	Issued for	Prepared by. QA	Reviewed by. R&D	Approved by. QA	Page 2 of 5
	Date:	Date:	Date:	Date:	

 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 14.04.2018
	Item Title: Gram Stain Pack	Item Code: 8.17.009.xxxx	Issue Level: 1.1

6. Fire Fighting Measures

Flash Point 12°C

Extinguishing media Use fire fighting media appropriate for surrounding materials.

7. Accidental Release Measures

- Evacuate area. Remove all sources of ignition.
- Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- Wear disposable coveralls and discard them after use.
- Absorb on an inert absorbent, transfer to container and arrange removal by Disposal Company.
- Wash site of spillage thoroughly with water and detergent.
- For large spillages, liquids should be contained with sand or earth and both
- Liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.
- Ventilate area and wash spill site after material pickup is complete.

8. Handling and Storage

Usage Precautions Avoid spilling, skin and eye contact.

Storage Precautions Store in tightly closed original container in a cool, dry well-ventilated place.

9. Exposure Controls/Personal Protection

- Wear appropriate approved respirator, chemical resistant gloves, safety goggles, other protective clothing.
- Safety shower and eye bath should be available.
- Avoid prolonged or repeated exposure.
- Wash thoroughly after handling.
- Keep tightly closed.

10. Physical and Chemical Properties


1. Crystal Violet:

APPEARANCE Dark Blue.

ODOUR No characteristic odour

SOLUBILITY Slightly soluble in water

PMX.8.17.009.xxxxD.11	Issued for	Prepared by. QA	Reviewed by. R&D	Approved by. QA	Page 3 of 5
	Date:	Date:	Date:	Date:	

 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 14.04.2018
	Item Title: Gram Stain Pack	Item Code: 8.17.009.xxxx	Issue Level: 1.1

2. Gram Iodine:
 APPEARANCE Dark Brown.
 ODOUR No characteristic odour
 SOLUBILITY Slightly soluble in water

3. Gram Decolouriser
 APPEARANCE colourless
 ODOUR No characteristic odour
 SOLUBILITY Slightly soluble in water

11. Stability and Reactivity

Conditions to avoid Avoid heat
 Avoid flames and other sources of ignition.
 Avoid contact with strong oxidiser
 Hazardous: During fire, toxic gases (CO, CO₂) are formed.
 decomposition products
 Stability No particular stability concerns.

12. Toxicological Information

Acute Effects Harmful if swallowed, inhaled or absorbed through skin.
 May cause irritation or intoxication.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

13. Ecological Information

The product is not expected to be hazardous to the environment.

14. Disposal Considerations

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.


15. Transport Information

ADR : 3.3 b

16. Regulatory Information

R10 Flammable
 R21/22 Harmful in contact with skin and if swallowed.
 S7 Keep containers tightly closed.
 S16 Keep away from sources of ignition-no smoking.

PMX.8.17.009.xxxxD.11	Issued for	Prepared by.	Reviewed by.	Approved by.	Page
	Date:	QA	R&D	QA	4 of 5
		Date:	Date:	Date:	

 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 14.04.2018
	Item Title: Gram Stain Pack	Item Code: 8.17.009.xxxx	Issue Level: 1.1

17. Other Information

The information supplied in this MSDS is correct to the best of our knowledge. We do not accept any liability for loss, injury or damage which may result from its use.

PMX.8.17.009.xxxxD.11	Issued for Date:	Prepared by. QA Date:	Reviewed by. R&D Date:	Approved by. QA Date:	Page 5 of 5
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