 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 02.04.2017
	Item Title: Diff-3 Stain Pack	Item Code: 8.17.015.xxxx	Issue Level: 1.1


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Amendment Record

Issue Level	Date Issued	Summary of Amendment	Reviewed by
1.1	02.04.2017	General Review	Amani Al-Habahbah

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2. General Information.

Trade Names & Synonyms:	Diff-3 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

Diff-3 Fixative - Anhydrous Methanol 100%
Diff-3 solution B - Oxidised Methylene blue in phosphate buffer 100%
Diff-3 solution A - Eosin dyes in phosphate buffer 100%
Diff-3 Rinse concentrate - Phosphate buffer concentrate less than 100%

3. Composition/Information on Ingredients

Chemical Name: Diff-3 stain kit.

4. Hazards Identification


Label Precautionary Statements

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

5. Health Hazard Data

Information pertaining to particular dangers for man and environment
H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled
H312 Harmful in contact with skin
H302 Harmful if swallowed.
H320+H315 Irritating to eyes and skin.

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6. Fire Fighting Measures

Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcoholresistant foam. Special hazards caused by the material, its products of combustion or flue gases: Can be released in case of fire: Carbon monoxide and carbon dioxide.

Protective equipment: Wear suitable skin and eye protection when in use. Do not breathe vapour. Use in a well ventilated area with respirator or in an efficient fume hood.

7. Accidental Release Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Measures for environmental protection: Do not allow material to be released to the environment. Measures for cleaning/collecting: Absorb with cloths or liquid-binding material (sand, mica- vermiculite, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation. Keep away from ignition sources. Wash area to public sewer with water. Additional information: See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

8. Handling and Storage

Handling Information for safe handling: Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.


Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture.

Storage Requirements to be met by storerooms and containers: Store in cool location away from sources of ignition. Information about storage in one common storage facility: Do not store together with oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.

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.

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10. Physical and Chemical Properties

Form: Liquid

Colour: Clear

Smell: Alcohol-like Value/Range Unit Method

Change in condition

Melting point/Melting range: N/A

Boiling point/Boiling range: 67.4° C

Sublimation temperature / start: Not determined

Flash point: 12 ° C

Ignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Product is not explosive.

However, formation of explosive air/steam mixtures is possible Critical values for explosion: Lower: Not determined

Upper: Not determined

Steam pressure: Not determined

Density at 20 ° C 0.90 g/cm³

Solubility in / Miscibility with Water: Fully miscible

11. Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

Materials to be avoided: Oxidizing agents Acid chlorides Acid anhydrides Alkali metals

Dangerous reactions: Reacts with oxidizing agents Dangerous products of

decomposition: Carbon monoxide / carbon dioxide and chlorine compounds.

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.

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15. Transport Information

ADR : 3.3 b

16. Regulatory Information

Designation according to EC guidelines: Code letter and hazard designation of product: F Flammable T Toxic.

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.

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