



# MATERIAL SAFETY DATA SHEET

MSDS No: 0346.001.00  
Revision Date: December 16, 2011  
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| Section 1                |                                               |                                     |        | Chemical Product and Company Name |  |
|--------------------------|-----------------------------------------------|-------------------------------------|--------|-----------------------------------|--|
| Product                  | EOSIN-ANILINE BLUE STAIN                      |                                     |        | ITEM No: CASE-B011                |  |
| Synonyms                 | Not available                                 |                                     |        |                                   |  |
| CHEMTREC                 | 24 Hour Emergency Phone Number (800) 424-9300 |                                     |        |                                   |  |
| Section 2                |                                               |                                     |        |                                   |  |
| Chemical Name            |                                               | Composition/Ingredients Information |        |                                   |  |
|                          |                                               | CAS#                                | %      | TLV Units                         |  |
| Water                    |                                               | 7732-18-5                           | 86-96% | None established                  |  |
| Aniline blue             |                                               | 28631-66-5                          | 1-5%   | None established                  |  |
| Eosin B                  |                                               | 548-24-3                            | 1-5%   | None established                  |  |
| Potassium phosphate      |                                               | 7778-77-0                           | <1%    | None established                  |  |
| Sodium phosphate dibasic |                                               | 7558-79-4                           | 1-3%   | None established                  |  |

| Section 3 Hazards Identification                                                                                                                                                                                                                                                                    |   |        |   |              |   |                 |   |                     |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---|--------------|---|-----------------|---|---------------------|---|
| CAUTION!<br>MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.<br>MAY BE HARMFUL IF INGESTED.                                                                                                                                                                                                     |   |        |   |              |   |                 |   |                     |   |
| <div><div>0 = Minimal<br/>1 = Slight<br/>2 = Moderate<br/>3 = Serious<br/>4 = Severe</div><table><tr><th>Health</th><th>1</th></tr><tr><td>Flammability</td><td>0</td></tr><tr><td>Physical Hazard</td><td>0</td></tr><tr><td>Personal Protection</td><td>C</td></tr></table></div> <div>HMIS</div> |   | Health | 1 | Flammability | 0 | Physical Hazard | 0 | Personal Protection | C |
| Health                                                                                                                                                                                                                                                                                              | 1 |        |   |              |   |                 |   |                     |   |
| Flammability                                                                                                                                                                                                                                                                                        | 0 |        |   |              |   |                 |   |                     |   |
| Physical Hazard                                                                                                                                                                                                                                                                                     | 0 |        |   |              |   |                 |   |                     |   |
| Personal Protection                                                                                                                                                                                                                                                                                 | C |        |   |              |   |                 |   |                     |   |

| Section 4 First Aid Measures                                                                                                                                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>INGESTION:</b> Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. |  |

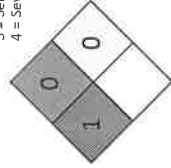
**INHALATION:** Remove to fresh air. Get medical attention if necessary.

**EYE CONTACT:** Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention immediately.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation or burns develop.

| Section 5 Fire Fighting Measures                                               |            |
|--------------------------------------------------------------------------------|------------|
| Non flammable.                                                                 |            |
| Extinguishing Media: Use any media suitable for extinguishing supporting fire. |            |
| Flash point: N/A                                                               | Upper: N/A |
| Autoignition temperature: N/A                                                  |            |
| Explosion limits: Lower: N/A                                                   |            |

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe



| Section 6 Accidental Release Measures                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Recover for use if not contaminated. Contain the spill with an inert absorbent material and deposit in an appropriate container. For small spills use paper towel. Place the wet medium in trash. Wash spill area with soap and water. |  |
| Section 7 Handling and Storage                                                                                                                                                                                                         |  |
| Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.           |  |

**Handling:** Use with adequate ventilation. Wash hands thoroughly after handling.

**Storage:** Store in closed container in a dry area.

| Section 8 Exposure Controls/ Personal Protection                                                                                                                         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Engineering controls:</b> Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.          |  |
| <b>Respiratory protection:</b> Non should be needed if normal laboratory handling at room temperature. Use NIOSH approved respiratory protection under dusty conditions. |  |

| Section 9 Physical and Chemical Properties |                                                   |
|--------------------------------------------|---------------------------------------------------|
| Physical state: Liquid                     | Boiling point: Not available.                     |
| Appearance: Blue.                          | Melting point: Not available.                     |
| Odor: No odor                              | Freezing point: Not available                     |
| pH: Not available.                         | Decomposition temp: Not available                 |
| Vapor Pressure ( mm Hg): Not available     | Solubility: Miscible in water                     |
| Vapor Density: Not available               | Specific gravity (H <sub>2</sub> O = 1): ~1.0g/cc |
| Evaporation Rate: Not available            | Percent volatile (%): Not available               |
| Viscosity: Not available                   | Molecular formula: Mixture                        |
|                                            |                                                   |
|                                            |                                                   |

| Section 10 Stability and Reactivity    |                                           |
|----------------------------------------|-------------------------------------------|
| Chemical Stability: Stable             | Hazardous polymerization: Will not occur. |
| Conditions to Avoid: Not available     |                                           |
| Incompatibilities: Not available       |                                           |
| Hazardous decomposition: Not available |                                           |

| Section 11 Toxicological Information                                                                                                                                                                                                                                                                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Effects of overexposure:</b> Eye: May cause eye irritation. Skin: May cause skin irritation. May temporarily stain body tissue. Inhalation: Not expected to cause any acute reaction. Ingestion: May be harmful if ingested. Ingestion may cause vomiting, abdominal cramps, diarrhea. May temporarily stain body tissue. |  |
| ORL-RAT LD <sub>50</sub> : 4640mg/kg potassium phosphate                                                                                                                                                                                                                                                                     |  |
| ORL-RAT LD <sub>50</sub> : 17000mg/kg sodium phosphate dibasic                                                                                                                                                                                                                                                               |  |
| IHL-RAT LD <sub>50</sub> : Not available                                                                                                                                                                                                                                                                                     |  |
| SKN-RABIT LD <sub>50</sub> : Not available                                                                                                                                                                                                                                                                                   |  |

| Section 12 Ecological Information |  |
|-----------------------------------|--|
| Data not available.               |  |

| Section 13 Disposal Considerations                                                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency. |  |

| Section 14 Transport Information |                 |
|----------------------------------|-----------------|
| UN number: N/A                   | Exceptions: N/A |
| Shipping name: Not regulated     |                 |
| Hazard Class: N/A                |                 |
| Packing group: N/A               |                 |

| Section 15 Regulatory Information |  |
|-----------------------------------|--|
| TSCA-listed.                      |  |

| Section 16 Other Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
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