

# SAFETY DATA SHEET

Creation Date 04-Nov-2015

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Revision Number 67

## 1. Identification

**Product Name** Hema 3, Solution I

**Cat No. :** 122-937, 123-869, 122-911

**Synonyms** No information available

**Recommended Use** In vitro diagnostic.

**Uses advised against** Food, drug, pesticide or biocidal product use

### Details of the supplier of the safety data sheet

#### Company

Distributed in the United States by  
Fisher Scientific  
300 Industry Drive  
Pittsburgh, PA 15275  
Tel: 1-800-640-0640

Distributed in Canada by  
Fisher Scientific  
112 Colonnade Road  
Ottawa, ON K2E 7L6  
Tel: 1-800-234-7473

#### **Emergency Telephone Number**

Chemtrec US: (800) 424-9300  
Chemtrec EU: 001 (202) 483-7616

## 2. Hazard(s) identification

### Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label Elements

None required

### Hazards not otherwise classified (HNOC)

Harmful to aquatic life with long lasting effects

## 3. Composition/Information on Ingredients

| Component                      | CAS-No     | Weight % |
|--------------------------------|------------|----------|
| Sodium azide                   | 26628-22-8 | < 1.0    |
| Dihydrogen potassium phosphate | 7778-77-0  | <1       |
| Sodium phosphate dibasic       | 7558-79-4  | <1       |
| Acid red 87                    | 17372-87-1 | <1       |
| Water                          | 7732-18-5  | >97      |

#### 4. First-aid measures

|  |   |
|--|---|
| <b>Eye Contact</b>                         | Get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.         |
| <b>Skin Contact</b>                        | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. |
| <b>Inhalation</b>                          | Move to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration.  |
| <b>Ingestion</b>                           | Do not induce vomiting. Obtain medical attention.   |
| <b>Most important symptoms and effects</b> | No information available.   |
| <b>Notes to Physician</b>                  | Treat symptomatically   |

#### 5. Fire-fighting measures

|   |                          |
|---|--------------------------|
| <b>Unsuitable Extinguishing Media</b>   | No information available |
| <b>Flash Point</b>                      | No information available |
| <b>Method -</b>                         | No information available |
| <b>Autoignition Temperature</b>         | No information available |
| <b>Explosion Limits</b>                 |                          |
| <b>Upper</b>                            | No data available        |
| <b>Lower</b>                            | No data available        |
| <b>Sensitivity to Mechanical Impact</b> | No information available |
| <b>Sensitivity to Static Discharge</b>  | No information available |

#### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

#### Hazardous Combustion Products

None known

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### NFPA

**Health**  
1

**Flammability**  
0

**Instability**  
0

**Physical hazards**  
N/A

#### 6. Accidental release measures

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment.                        |
| <b>Environmental Precautions</b> | Do not flush into surface water or sanitary sewer system. |

**Methods for Containment and Clean Up** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

#### 7. Handling and storage

**Handling** Wear personal protective equipment. Ensure adequate ventilation.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls / personal protection

### Exposure Guidelines

| Component    | ACGIH TLV  | OSHA PEL   | NIOSH IDLH   | Mexico OEL (TWA) |
|--------------|--|--|--|------------------|
| Sodium azide | Ceiling: 0.29 mg/m <sup>3</sup><br>Ceiling: 0.11 ppm | Skin<br>(Vacated) Ceiling: 0.1 ppm<br>(Vacated) Ceiling: 0.3 mg/m <sup>3</sup> | Ceiling: 0.1 ppm<br>Ceiling: 0.3 mg/m <sup>3</sup> |                  |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

**Engineering Measures** None under normal use conditions.

### Personal Protective Equipment

**Eye/face Protection** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

|  |                          |
|--|--------------------------|
| Physical State                         | Liquid                   |
| Appearance                             | Red                      |
| Odor                                   | Odorless                 |
| Odor Threshold                         | No information available |
| pH                                     |                          |
| Melting Point/Range                    | No data available        |
| Boiling Point/Range                    | No information available |
| Flash Point                            | No information available |
| Evaporation Rate                       | No information available |
| Flammability (solid,gas)               | Not applicable           |
| Flammability or explosive limits       |                          |
| Upper                                  | No data available        |
| Lower                                  | No data available        |
| Vapor Pressure                         | No information available |
| Vapor Density                          | No information available |
| Specific Gravity                       | No information available |
| Solubility                             | Soluble in water         |
| Partition coefficient; n-octanol/water | No data available        |
| Autoignition Temperature               | No information available |
| Decomposition Temperature              | No information available |
| Viscosity                              | No information available |

## 10. Stability and reactivity

**Reactive Hazard** None known, based on information available

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under normal conditions.          |
| <b>Conditions to Avoid</b>              | Incompatible products.                   |
| <b>Incompatible Materials</b>           | Strong oxidizing agents                  |
| <b>Hazardous Decomposition Products</b> | None under normal use conditions         |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur. |
| <b>Hazardous Reactions</b>              | None under normal processing.            |

## 11. Toxicological information

### Acute Toxicity

#### Product Information Component Information

| Component                      | LD50 Oral                 | LD50 Dermal                  | LC50 Inhalation |
|--------------------------------|---------------------------|------------------------------|-----------------|
| Sodium azide                   | LD50 = 27 mg/kg ( Rat )   | -                            | Not listed      |
| Dihydrogen potassium phosphate | LD50 = 3200 mg/kg ( Rat ) | LD50 > 4640 mg/kg ( Rabbit ) | Not listed      |
| Sodium phosphate dibasic       | LD50 = 17 g/kg ( Rat )    | Not listed                   | Not listed      |
| Water                          | -                         | Not listed                   | Not listed      |

**Toxicologically Synergistic Products** No information available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component                      | CAS-No     | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|--------------------------------|------------|------------|------------|------------|------------|------------|
| Sodium azide                   | 26628-22-8 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Dihydrogen potassium phosphate | 7778-77-0  | Not listed | Not listed | Not listed | Not listed | Not listed |
| Sodium phosphate dibasic       | 7558-79-4  | Not listed | Not listed | Not listed | Not listed | Not listed |
| Acid red 87                    | 17372-87-1 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Water                          | 7732-18-5  | Not listed | Not listed | Not listed | Not listed | Not listed |

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** None known  
**STOT - repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** No information available

**Endocrine Disruptor Information** No information available

**Other Adverse Effects**

The toxicological properties have not been fully investigated.

**12. Ecological information****Ecotoxicity**

The product contains following substances which are hazardous for the environment. Contains a substance which is: Very toxic to aquatic organisms.

| Component    | Freshwater Algae | Freshwater Fish   | Microtox   | Water Flea |
|--------------|------------------|---|------------|------------|
| Sodium azide | Not listed       | LC50: = 5.46 mg/L, 96h flow-through (Pimephales promelas)<br>LC50: = 0.7 mg/L, 96h (Lepomis macrochirus)<br>LC50: = 0.8 mg/L, 96h (Oncorhynchus mykiss) | Not listed | Not listed |
| Acid red 87  | Not listed       | LC50= 1200 mg/L/48h (Oryzias latipes)   | Not listed | Not listed |

**Persistence and Degradability** No information available

**Bioaccumulation/ Accumulation** No information available.

**Mobility** No information available.

| Component   | log Pow |
|-------------|---------|
| Acid red 87 | 4.80    |

**13. Disposal considerations**

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**14. Transport information**

**DOT** Not regulated  
**TDG** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

**15. Regulatory information**

All of the components in the product are on the following Inventory lists: X = listed

**International Inventories**

| Component                      | TSCA | DSL | NDSL | EINECS    | ELINCS | NLP | PICCS | ENCS | AICS | IECSC | KECL     |
|--------------------------------|------|-----|------|-----------|--------|-----|-------|------|------|-------|----------|
| Sodium azide                   | X    | X   | -    | 247-852-1 | -      |     | X     | X    | X    | X     | KE-31357 |
| Dihydrogen potassium phosphate | X    | X   | -    | 231-913-4 | -      |     | X     | X    | X    | X     | KE-28622 |
| Sodium phosphate dibasic       | X    | X   | -    | 231-448-7 | -      |     | X     | X    | X    | X     | KE-12344 |
| Acid red 87                    | X    | X   | -    | 241-409-6 | -      |     | X     | X    | X    | X     | KE-06722 |
| Water                          | X    | X   | -    | 231-791-2 | -      |     | X     | -    | X    | X     | KE-35400 |

**Legend:**

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

### U.S. Federal Regulations

TSCA 12(b) Not applicable

#### SARA 313

| Component    | CAS-No     | Weight % | SARA 313 - Threshold Values % |
|--------------|------------|----------|-------------------------------|
| Sodium azide | 26628-22-8 | < 1.0    | 1.0                           |

SARA 311/312 Hazard Categories See section 2 for more information

#### CWA (Clean Water Act)

| Component                | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|--------------------------|----------------------------|-----------------------------|------------------------|---------------------------|
| Sodium phosphate dibasic | X                          | 5000 lb                     | -                      | -                         |

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration  
Not applicable

CERCLA Not applicable

| Component                | Hazardous Substances RQs | CERCLA EHS RQs |
|--------------------------|--------------------------|----------------|
| Sodium azide             | 1000 lb                  | 1000 lb        |
| Sodium phosphate dibasic | 5000 lb                  | -              |

California Proposition 65 This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

| Component                | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------------|---------------|------------|--------------|----------|--------------|
| Sodium azide             | X             | X          | X            | -        | X            |
| Sodium phosphate dibasic | X             | X          | X            | -        | -            |
| Water                    | -             | -          | X            | -        | -            |

### U.S. Department of Transportation

Reportable Quantity (RQ): N  
DOT Marine Pollutant N  
DOT Severe Marine Pollutant N

### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

### Other International Regulations

Mexico - Grade No information available

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**16. Other information**

|                         |   |
|-------------------------|---|
| <b>Prepared By</b>      | Regulatory Affairs<br>Richard Allan Scientific<br>A Subsidiary of Thermo Fisher Scientific<br>Tel: (800) 522-7270   |
| <b>Creation Date</b>    | 04-Nov-2015   |
| <b>Revision Date</b>    | 18-Apr-2018   |
| <b>Print Date</b>       | 18-Apr-2018   |
| <b>Revision Summary</b> | This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). |

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text

**End of SDS**