SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: BLUESTAR® FORENSIC KIT - SOLUTION
   Product code: 3A (EN).

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Chemiluminescent solution - Blood indicator.

1.3. Details of the supplier of the safety data sheet
   Registered company name: BLUESTAR.
   Address: 16, avenue de la Costa. 98000. MONACO..
   Telephone: +377 97 97 31 77. Fax: +377 97 97 31 61.
   info@bluestar-forensic.com
   www.bluestar-forensic.com

1.4. Emergency telephone number: +33 (0) 1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   No labelling requirements for this mixture.

2.3. Other hazards
   The mixture does not contain substances classified as ‘Substances of Very High Concern’ (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
   The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
   Composition:

<table>
<thead>
<tr>
<th>INDEX: 011-002-00-6</th>
<th>GHS05</th>
<th>Note</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC: 1310-73-2</td>
<td>SkIN Rr. 1A, H314</td>
<td>[1]</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
<tr>
<td>CAS: 215-185-5</td>
<td>Dgr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACH: 01-2119457892-27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

   Information on ingredients:
   [1] Substance for which maximum workplace exposure limits are available.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
   In the event of swallowing:
   Seek medical attention, showing the label.
4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media
No data available.

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
<th>Definition</th>
<th>Criteria</th>
</tr>
</thead>
</table>

Made under licence of European Label System, Software of INFODYNE (http://www.infodyne.fr)
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Type of gloves recommended:
    - Natural latex
    - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
    - PVC (polyvinyl chloride)
    - Butyl Rubber (isobutylene-isoprene copolymer)
    - PVA (Polyvinyl alcohol)

- **Body protection**
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

**General information:**

<table>
<thead>
<tr>
<th>Physical state :</th>
<th>Fluid liquid.</th>
</tr>
</thead>
</table>

**Important health, safety and environmental information**

<table>
<thead>
<tr>
<th>pH :</th>
<th>12.40 .</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Strongly basic.</td>
</tr>
<tr>
<td>Flash point interval :</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour pressure (50°C) :</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Density :</td>
<td>= 1</td>
</tr>
<tr>
<td>Water solubility :</td>
<td>Dilutable.</td>
</tr>
</tbody>
</table>

9.2. Other information

No data available.

### SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid:
- frost

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO\textsubscript{2})

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

Skin corrosion/skin irritation:

Corrosivity:

No observed effect.

Species: Rabbit (recommended by the CLP)
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Effect observed: Edema score
Average score = 0
Duration of exposure: 72 h

Species: Rabbit (recommended by the CLP)
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation:

No observed effect.

Corneal haze:

Average score = 0
Duration of exposure: 72 h
Species: Rabbit (recommended by the CLP)
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Iritis:

Average score = 0
Duration of exposure: 72 h
Species: Rabbit (recommended by the CLP)
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

 Conjunctival redness:

Average score = 0.3
Duration of exposure: 72 h
Species: Rabbit (recommended by the CLP)
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

 Conjunctival oedema:

Average score = 0
Duration of exposure: 72 h
Species: Rabbit (recommended by the CLP)
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.
12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

German regulations concerning the classification of hazards for water (WGK):
WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Classification and labelling information included in section 2:
The following regulations have been used:
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:
No data available.

- Particular provisions:
No data available.

- German regulations concerning the classification of hazards for water (WGK):
WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none
15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

| H314 | Causes severe skin burns and eye damage. |

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
PBT : Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.