

SAFECARE MEDICAL INDUSTRIES LLC

05/04/2023
Version 1

Safety Data Sheet Bensan Glow Spray

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

- 1.1 Product Identifier
Product name : Bensan Glow Spray
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Relevant identified uses:
Main use category : Professional use
Function or use category : Descaler & Rust Remover for Professional Use
- Uses advised against : No additional information available
- 1.3 : Details of the supplier of the safety data sheet
Supplier
Safecare Medical Industries
KIZAD KHIA 8-18
P.O. Box 133685, Abu Dhabi
United Arab Emirates
Telephone: +971 55 433 4560
- Contact person: Deepthi Rhamba – tel. +971 2 506 7333

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
Skin : Category 1 B
Eye : Serious Eye Damage / Eye irritation – Category 1
- 2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms



GHS07

- Signal word (CLP) : Warning
- Hazard statements (CLP) : H301 – Harmful if swallowed
: H312 – Harmful in contact with skin
: H319 – Causes serious eye irritation
- Precautionary statements (CLP) : P264 – Wash hands thoroughly after handling

- : P280 – Wear eye protection, protective gloves
- : P301 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER.
- : P302 – IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER.
- : P304 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call POISON CENTER.
- : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- : P337+P313 – If eye irritation persists: Get medical advice / attention
- : P405 – Store locked up

2.3 Other Hazards

Other hazards not contributing to the classification

: None under normal conditions.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances : Not applicable

3.2 Mixtures

| Name | Product Identifier | % | Classification according to Regulations (EC) No. 1272/2008 (CLP) |
|-----------------|---|-----|---|
| Phosphoric Acid | (CAS-No.) 1310-18-5 (EC-No.) 215-181-3 | <6% | Eye Irrit. 1, H319, Oral Toxicity, H301, Skin irrit. H312 |
| Glycolic Acid | (CAS-No.) 79-14-1 (EC-No.) 201-180-1 | <2% | Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 2, H411 |
| Citric Acid | (CAS-No.) 77-92-9 | <1% | Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 2, H411 |

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air if effects occur. If not breathing or breathing is difficult, give oxygen or artificial respiration. Seek immediate medical attention if symptoms develop.

Skin Contact: Immediately remove contaminated clothing. Flush all affected and exposed areas with plenty of water for at least 15minutes. If skin irritation develops and persists, seek medical attention. Launder clothing before reuse. Discard items that cannot be thoroughly decontaminated, like leather shoes and belts.

Eye Contact: Hold eye open and rinse slowly and gently with water for at least 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Get immediate medical attention.

Ingestion: If swallowed, get immediate medical advice by calling a Poison Control Center or hospital emergency room. If advice is not available, take victim and product container to the nearest emergency treatment center or hospital. Do NOT induce vomiting. If the victim is alert, rinse their mouth with water. Do not attempt to give anything by mouth to an unconscious person.

Most Important symptoms and effects, both acute and delayed:
 Causes skin burns and eye damage. Inhalation of mists or vapors may cause severe irritation of the eyes, nose and throat. High concentrations may cause lung damage. Harmful if swallowed. Causes burns to the mouth, throat and intestinal tract.

Indication of any immediate medical attention and special treatment needed:

Get immediate medical attention for ingestion, and for eye and skin contact of exposure. Get immediate medical attention in breathing difficulties develop.

SECTION 5: FIRE-FIGHTING MEASURES

- 5.1** Extinguishing media : Not combustible. Use extinguishing agent suitable for surrounding fire
Unsuitable extinguishing media : None known
- 5.2** Special hazards arising from the substance or mixture
Fire hazard : Not flammable or combustible

Explosion hazard : Thermal decomposition after the water has evaporated may produce carbon monoxide, carbon dioxide, phosphorus oxides.
- 5.3** Advice for firefighters
Firefighting instructions : Use personal protective equipment
Specific Extinguishing Methods
- 5.4** Special 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures : Wear appropriate personal protective equipment - see Section 8.
Avoid contact with skin and eyes.

For non-emergency personnel

No additional information available

For emergency responders

No additional information available

6.2. Environmental precautions

Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Use water rinse for final clean-up.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for safe handling : Keep container tightly closed. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep only in original container. Do not expose to temperatures exceeding 40 °C. Keep cool. Keep out of reach of children. Store in suitable, labelled containers.

Incompatible materials : None known

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

| Components | CAS-No. | Quantity |
|-----------------|-----------|----------|
| Phosphoric Acid | 7664-38-2 | 2.9% |
| Glycolic Acid | 79-14-1 | 0.5% |
| Citric Acid | 77-92-9 | 0.5% |

8.2 Exposure Controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : No special protective equipment required.

Hand protection : Wear appropriate chemical resistant gloves

Eye protection : Safety goggles or glasses

Skin and body protection : Wear appropriate chemical resistant gloves

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Other Information : Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---------------------------------|------------------------------|
| Physical state | : Liquid |
| Colour | : White, Pale White |
| Odor | : None |
| Odor threshold | : 1.21-1.29 |
| Ph | : 1.7 – 2.2 (Dilution to 1%) |
| Relative evaporation rate | : Not determined |
| Melting point | : Not determined |
| Freezing point | : Not determined |
| Boiling point | : Not determined |
| Flash point | : Not determined |
| Auto-ignition temperature | : Not determined |
| Decomposition temperature | : Not determined |
| Flammability (solid, gas) | : Not determined |
| Vapour pressure | : Not determined |
| Relative vapour density at 20°C | : Not determined |
| Relative density | : 1.025 |
| Solubility | : Not determined |

| | |
|----------------------|-----------------------------|
| Log Pow | : Not determined |
| Viscosity, kinematic | : Not determined |
| Viscosity, dynamic | : Not determined |
| Explosive properties | : Product is not explosive. |
| Oxidising properties | : Not determined |
| Explosive limits | : Not determined |

9.2 Other Information

Addition Information : None to our knowledge

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use

10.4. Conditions to avoid

Do not mix with other cleaning or disinfection products.

10.5. Incompatible materials

Oxidizing agents, reducing agents, bases, ferrous metals such as galvanized iron and heavy metals.

10.6. Hazardous decomposition products

Decomposition releases oxygen which may intensify fires. .

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Acute Hazards:

Inhalation: Vapors and mists may cause severe irritation of the eyes, nose and throat. High concentrations may cause lung damage.

Skin Contact: Corrosive. Concentrate may cause severe irritation or burns. Diluted solution may cause skin irritation.

Eye Contact: Corrosive. May cause severe irritation or burns. Permanent damage may occur.

Ingestion: Harmful if swallowed. Causes burns to the mouth, throat and intestinal tract.

Chronic Hazards: Prolonged overexposure to dilute solutions may cause dermatitis.

Carcinogen: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Phosphoric Acid: LD50 Oral Rat 1530 mg/kg; LD50 dermal rabbit 2740 mg/kg
 Glycolic Acid: LD50 Oral Rat 1950 mg/kg; LC50 Inhalation rat 7.7-14 mg/L/4 hr
 Citric Acid: LD50 Oral Rat 5400 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not classified as aquatically toxic based on the GHS criteria for aquatic toxicity.

| | |
|--------------------------------|--|
| Phosphoric Acid: | No data available. Ecotoxicity is based on pH Glycolic Acid: LC50 Pimephales promelas (Fathead minnow) 164 mg/L/96 hr; EC50 Daphnia magna (Water flea) 141 mg/L/48 hr; EC50 Selenastrum capricornutum (algae) 44 mg/L/72 hr |
| Persistence and degradability: | Biodegradation is not applicable to inorganic substances such as phosphoric acid. Glycolic acid is readily biodegradable. |
| Bioaccumulative Potential: | An estimated BCF of 3.2 was calculated for glycolic acid. This BCF suggests the potential for bio-concentration in aquatic organisms is low. |
| Mobility in Soil: | Glycolic acid is expected to have very high mobility in soil. |
| Other: | Releases of large amounts to waterways will affect the pH of the water and may have an adverse effect on aquatic organisms. |

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| | |
|--|--|
| Regional legislation (waste) | : Dispose as hazardous waste. |
| Waste treatment methods | : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials | : Avoid release to the environment. |

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA

| ADR | IMDG | IATA | RID |
|--|--|--------------------------------|--------------------------------|
| 14.1 UN Number | | | |
| 1805 | 1805 | 1805 | 1805 |
| 14.2 Transport document description | | | |
| Phosphoric Acid Solution | Phosphoric Acid Solution | Phosphoric Acid Solution | Phosphoric Acid Solution |
| 14.3 Transport hazard class(es) | | | |
| 8 | 8 | 8 | 8 |
| 14.4 Packaging group | | | |
| III | III | III | III |
| 14.5 Environmental hazards | | | |
| Dangers for Environment: No | Dangers for Environment: No Marine pollutant: No | Dangers for Environment: No | Dangers for Environment: No |
| No supplementary information available | | | |

14.6 Special precautions for user: None Available

Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

NFPA Rating: Fire: 1

Health: 3

Instability: 0

Indication of changes: Identification of the substance/mixture and of the company/undertaking. Relevant identified uses.

| 1.0 | Composition / Information on Ingredients | Modified |
|-----|--|----------|
|-----|--|----------|

| | |
|------------------------|-----------------|
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| Signature | Quality Control |

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.