

SAFECARE MEDICAL INDUSTRIES LLC

8/08/2023
Version 3.0

Safety Data Sheet Bensan Glow

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

1.1 Product Identifier

Product name : Bensan Glow

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 and 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 2 506 7333

Contact person: Regulatory Affairs

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	<50%	Eye Irrit. 1, H319, Oral Toxicity, H301, Skin irrit. H312
Glycolic Acid	(CAS-No.) 79-14-1 (EC-No.) 201-180-5	<10%	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 15 minutes. 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.

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	<50%
Glycolic Acid	79-14-1	<10%

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	: Not determined
Ph	: 1.7 – 2.2 (Dilution to 7%)
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: Product is not flammable
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Product is not flammable
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

11.1 Information on toxicological effects

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

Skin corrosion/irritation	: Corrosive. May cause severe irritation or burns. pH 1.7-2.2
Serious eye damage/irritation	: Causes serious eye damage
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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
-----	--	----------

Date of issue	10.04.2023
Revision date	08.08.2023
Supersedes	Version 2.0 of 10.04.2023
Date of total revision	08.08.2023
Version	3.0
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.