

MATERIAL SAFETY / TECHNICAL DATA SHEET

Product Name: Satvah GSN Plus (40 TFM Transparent Soap Flakes)

COMPOSITION/INFORMATION ON INGREDIENTS

Satvah GSN Plus is a ready mixer of many key ingredients in flakes form for manufacturing transparent bathing bar.

Sr.No.	Ingredient	CAS Number	EINECS Number
1	Sodium Cocoate	61789-31-9	263-050-4
2	Sodium Laurate	629-25-4	211-082-4
3	Sodium Stearate	822-16-2	212-490-5
4	Water	32-18-5	231-791-2
5	Propylene Glycol	57-55-6	200-338-0
6	Sucrose	57-50-1	200-334-9
7	Sodium Laureth Sulfate	68891-38-3	500-234-8
8	Glycerin	56-81-5	200-289-5
9	Sodium Chloride	7647-14-5	231-598-3
10	Disodium EDTA	139-33-3	205-358-3
11	BHT	128-37-0	204-881-4

HAZARDS IDENTIFICATION

Product is non-hazardous.

TECHNICAL SPECIFICATIONS

Appearance/nature	: Soft transparent flakes
Colour	: Colorless to faint yellow
Odour	: Mild Fatty Odour
pH (5 % aqueous solution)	: 9.0 – 10.5
Free alkalinity as NaOH, % by mass	: Nil
Total fatty matter, % by mass, minimum	: 40
Synthetic surface active agent, % by mass, minimum	: 4

PROPERTIES

Satvah GSN Plus differs from a fatty based soap in many ways:

- Superior transparency
- Milder formulation
- Compatible with wide range of additives
- Superior fragrance retention at low perfume levels
- Foams even in hard water
- Easy process ability – melt & pour
- Less production time
- Unmatched cost efficiency

FIRST-AID MEASURES

When inhaled: Move exposed person to fresh air.

When in contact with skin: Remove patient to uncontaminated area. Remove contaminated clothing and rinse skin with water.

When in contact with eyes: Remove contact lenses, if any rinse eyes with water until irritation subsides.

When ingested: Drink milk/water and seek medical attention if necessary.

FIRE-FIGHTING MEASURES

Suitable fire-fighting agents: Normal Class A fire extinguisher, dry powder, carbon dioxide, foam or water.

Extinguishing media which must not be used for safety reasons: None

Specific hazards in the event of fire: Avoid from strong oxidising agent.

Protection of fire-fighters (use of protective equipment, etc.): Wear safety goggles and other Personal Protective Equipment.

ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear safety goggles and other Personal Protective Equipment.

Environmental precautions: Do not allow to flow into drainage system.

Methods and materials for containment and cleaning up: Shovel up and rinse area with water.

Dispose of in accordance with local, state and federal regulation.

STEPS INVOLVED IN MAKING TRANSPARENT BATHING BAR:

- Use SS 304 / 316 Jacketed Reactor with starrer and speed controller; all material contact parts should be of Stainless Steel. Do not use any other material.
 - The reactor to be cleaned thoroughly with hot water. It should be odorless before melting
- Satvah GSN Plus.**
- Ideally batch size can be 70 - 80% of the reactor capacity. Use low pressure steam / hot water (80⁰ - 85⁰ C) for melting. Initially melt sufficient amount of **Satvah GSN Plus** flakes for the stirrer to operate. Then by maintaining temperature between 70⁰ – 75⁰C keep adding further quantity of flakes.
 - Excessive heating / higher temperature may result in nearby yellow colour and water loss which will reduce transparency or give opaque product.
 - Moisture content in the final bathing bar shall be in the range of 19.0 to 22.0 %. Monitor the same with karl fischer.
 - Make sufficient solution of the selected colour in water. In case of oil soluble colours, make colour solution in perfume or propylene glycol. Mix the mass uniformly. Stop heating and start cooling with ordinary water.
 - Maintain temperature in the reactor at 70⁰ - 75⁰ C. Start addition of perfume. Since colour of perfume can affect transparency; choose lighter coloured perfume.
 - Stop mixing in the reactor for few minutes till air bubbles are cleared.
 - Pour the material in suitable moulds.
 - Start cooling the mould system with water. Cooling with chilled water (4⁰ - 5⁰ C) enhances transparency.
 - The product would start solidifying at 58⁰ - 62⁰ C. Finish of the bar would depend on quality of the moulds. Once cooled, it can be stamped, which improves transparency. In manual stamping, smearing the die with a drop of glycerin further enhances transparency.
 - Transparent bar is ready to use.



Satvah Surfactants Pvt Ltd.

Office Address: FF-4, Rameshwar Complex,
B/h Kathwada GIDC, Ahmedabad, Gujarat 382430

Mo.: +91 814181 6162
Email: satvahs@gmail.com
Website: www.satvahsurfactants.com

PACKING

Satvah GSN Plus is available in HDPE bags of 25 kg net wt. Total of 28 bags are packed on one pallet. Palletized 14.4 MT material can be shipped in one full 20 ft. container.

HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes. Wear goggles when handling.

Conditions for safe storage, including any incompatibilities:

Keep in a cool and dry place, avoid extreme heat and cold. Avoid contact with strong oxidising agents. Exposure to ultraviolet light and sunlight must be minimised to prevent quality loss.

Shelf life Conditions:

The shelf life of soap flakes is one year after the manufacturing date with recommended storage condition at 25 +5°C and relative humidity of 70 +10%. Moisture content of soap flakes is subjected to change during storage. It is always recommended to reconfirm moisture content prior to use.

Product Name : **Satvah GSN Plus**

Version : **02**

Date of issue : **11.5.2022**

Notice to Reader:

Version: 2.01

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.