

**Sodium Hydroxide Solution 50%****Page: 1/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**SECTION 1. IDENTIFICATION**

<b>Product Name/Identifier</b>	Sodium Hydroxide Solution 50%
<b>Product Code</b>	FSSR00786
<b>Recommended Use</b>	Ingredients/Raw materials used in the manufacturing of Cosmetic Products'
<b>Restrictions on Use</b>	None
<b>Supplier Site</b>	Formulator Sample Shop, LLC
<b>Address</b>	135 Joshua Court Lincolnton, NC 28092, USA
<b>Telephone No. (24hrs)</b>	1-704-276-7540
<b>Emergency Telephone #</b>	1-704-276-7540 (Mon-Fri: 8:00AM – 5:00PM EST)

**SECTION 2. HAZARD(S) IDENTIFICATION****Classification:****GHS / CLP**

**Basis for Classification:** Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

**USA**

**OSHA Regulatory Status:** This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Europe**

**Basis for Classification:** -According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008.  
-This product is not classified as hazardous to health or environment according to the CLP regulation.

**Labeling Elements:**

**Pictograph:** No hazard symbol expected

**Hazard statements/Signal Word:** Not applicable

**Precautionary statements:** P233: Keep container tightly closed  
P281: Use personal protective equipment as required  
P402: Store in a dry place  
P404: Store in a closed container  
P410: Protect from sunlight  
P411: Store at temperatures not exceeding 32°C

**Sodium Hydroxide Solution 50%****Page: 2/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**Other hazards which do not result in classification:**

No particular fire or explosion hazard.

By mechanical effect: No particular hazards.

By hygroscopic effect: No particular hazards.

**US NFPA 704 (National Fire Protection Association) Hazard Rating System:**

Health hazard: Rating 0; Normal Material

Flammability: Rating 0, Will Not Burn

Reactivity: Rating 0, Stable

Other Hazard Information: None

**Results of PBT and vPvB assessment:**

-PBT: Not applicable

-vPvB: Not applicable

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS****Common Chemical Name:** Sodium Hydroxide**Generic name:** Sodium Hydroxide**Chemical Family:****Description:** Mixture: consisting of the following components. This section describes all components of the mixture

<u>Substance</u>	<u>CAS Numbers</u>	<u>Percentage</u>
Sodium Hydroxide	1310-73-2	>=30-<=54
Water	7732-18-5	>=46-<=70

**Formula:** Not applicable**SECTION 4. FIRST-AID MEASURES****General:** In all cases of doubt, or when symptoms persist, seek medical attention.**Inhalation:** Move to fresh air from exposure area. Get medical attention for any breathing difficulty.**Skin contact:** Rinse with soap and water. Get medical advice if irritation develops.**Eye contact:** Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

**Sodium Hydroxide Solution 50%****Page: 3/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**Ingestion:** Do not induce vomiting. Give one cup (8 oz or 240 mL) of water or milk if available and transport to a medical facility.

**Protection of first-aiders:** No special protection required.

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**SECTION 5. FIRE-FIGHTING MEASURES**

**Fire and explosion hazards:** Not considered to be a fire and explosion hazard

**Extinguishing media:**

**Suitable:** This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for the fire.

**Not suitable:** Do not use water.

**Fire fighting:** Product reacts with water. Reaction may produce heat and/or gases. This reaction may be violent. Move container from fire area if it can be done without risk.  
Avoid inhalation of material or combustion by-products.  
Stay upwind and keep out of low area

**Protection for fire-fighters:** Positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill.

**Environmental precautions:** Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system

**Methods for cleaning up:**

**Recovery:** Contain spilled material if possible. For small spills, dilute with water. For large spills, dike area to contain spill. Collect in suitable and properly labeled containers. Attempt to neutralize by adding materials such as Acetic acid.

**Cleaning/Decontamination:** Wash non-recoverable remainder with water.

**Disposal:** For disposal of residues refer to sections 8 & 13.

**Sodium Hydroxide Solution 50%**
**Page: 4/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

## SECTION 7. HANDLING AND STORAGE

### Handling

Technical measures:

Labeling: Keep out of the reach of children.

Measures:

For industrial use, only as directed.

Safe handling advice:

Do not get in eyes, on skin, on clothing. Do not swallow. Avoid breathing mist. Wash thoroughly after handling.

### Storage

Technical measures:

Keep container closed. Do not store in Zinc, aluminum, brass, or tin.

Recommended Storage Conditions:

Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 - 25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.

Incompatible products:

Avoid contact with strong oxidizers.

Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)

Packaging:

Product may be packaged in normal commercial packaging.

Packaging materials:

Recommended - Polypropylene &amp; High Density Polyethylene

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Precautionary statements:**

Ensure adequate ventilation

### Control parameters

Occupational exposure Limits:

France:

Not Determined

ACGIH:

Not Determined

Korea:

Not Determined

UK:

Not Determined

Surveillance procedures:

Not Determined

Engineering measures:

Not Determined

### Personal Protective Equipment:

Respiratory protection:

Local exhaust. In misty atmospheres, use an approved particulate respirator.

Hand protection:

Protective gloves made of rubber or neoprene.

Eye protection:

Chemical goggles.

Collective emergency equipment:

Eye fountain.

Skin and Body Protection:

Suitable protective clothing that is chemically resistant to this material.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Measures related to the Environment: No particular measures.

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**Sodium Hydroxide Solution 50%****Page: 5/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Liquid above freezing point  
**Color:** Colorless

**Odor:** Odorless

**pH (Direct):** 14

**Heavy Metals:** < 20 ppm  
**Lead:** < 10 ppm  
**Arsenic:** < 2 ppm  
**Cadmium:** < 1 ppm

**Microbial Content:** < 100 CFU/g; No pathogens  
**Yeast & Mold:** < 100 CFU/g  
**Gram Negative Bacteria:** 0 CFU/g

**Vapor density:** Not applicable  
**Boiling Point:** Not determined  
**Freezing Point:** Not determined  
**Melting point:** Not applicable

**Flash point:** Not determined  
**Oxidizing properties:** Non oxidizing material according to EC criteria.

**Solubility:**  
**In water:** Completely miscible  
**In organic solvents:** Not determined  
**Log P:** Not determined

**SECTION 10. STABILITY AND REACTIVITY**

**Stability:** Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life

**Hazardous reactions:** None known

**Conditions to avoid:** Avoid moisture. Product absorbs carbon dioxide from the air.

**Materials to avoid:** Acids, Glycols, Halogenated organics, organic nitro compounds, zinc, aluminum, tin, and brass.

**Hazardous decomposition products:** Does not decompose

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**Sodium Hydroxide Solution 50%****Page: 6/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>Ingestion:</b>	Not Determined
<b>Dermal:</b>	Prolonged skin contact is unlikely to result in absorption of harmful amounts.
<b>Ocular:</b>	Not Determined
<b>Inhalation:</b>	May cause severe irritation of upper respiratory tract (nose and throat).
<b>Acute toxicity data:</b>	Not Determined
<b>Sensitization:</b>	Non-Primary Sensitizers
<b>Repeated dose toxicity:</b>	No known effects
<b>Subacute to chronic toxicity:</b>	Not Determined

**Additional Toxicological Information:** This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**Specific effects:**

Carcinogenicity:	No known effects
Mutagenicity:	No known effects
Reproductive toxicity:	No known effects
Neuro-toxicity:	No known effects

**For more information:** Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Effects on the aquatic environment: May increase pH of aquatic systems to >pH 10 which may be toxic to aquatic organisms.

**Biodegradability:**

Persistence: Not Determined

**Bioaccumulation:**

Octanol / water partition coefficient: Not Determined

**Mobility:**

Precipitation:

Expected behavior of the product: Ultimate destination of the product: Soil & sediment.

**Other Adverse Effects:** None known

**Sodium Hydroxide Solution 50%****Page: 7/8**

Date: 05/12/2023

Version: 1

Cancels and replaces

**SECTION 13. DISPOSAL CONSIDERATIONS****Residues from product**

Prohibition: Do not allow the product to be released into the Environment.  
Destruction/Disposal: Dispose of in accordance with relevant local regulations

**Contaminated packaging**

Decontamination/cleaning: Cleaning is not required prior to disposal.  
Destruction/Disposal:

Note: Take all necessary precautions when disposing of this product according to local regulations.

**SECTION 14. TRANSPORT INFORMATION**

UN Number: None  
UN Shipping Name: None

Transport Hazard Class: Not classified as dangerous for transport

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID  
Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG  
Air: Material is not restrictive for air transport and is not regulated by ICAO/IATA

Marine Pollutant: No

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers  
This material is not dangerous or hazardous

Special Precautions for User: None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

**SECTION 15. REGULATORY INFORMATION**

Labeling:  
EC regulations: This product does not need to be labeled in accordance with EC Directives or respective national laws

**Further regulations**

United Kingdom: Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40  
Workplace Exposure Limits (revised annually)

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**Sodium Hydroxide Solution 50%**
**Page: 8/8**

Date: 05/12/2023

Version: 1

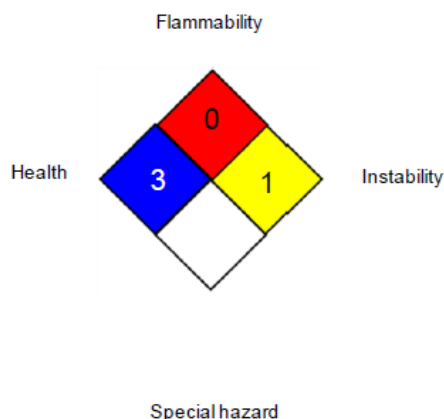
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Korea regulations:	Industrial safety and hygiene regulation:	No
	Hazardous material control regulation:	No
	Fire prevention regulation:	No

**Other regulations:**

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

## SECTION 16. OTHER INFORMATION

**NFPA 704:**


Prohibited uses:	For specific uses, food industry, ask the manufacturer for more information.
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Last Revision Date:	N/A
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Preparation Date:	05/12/23
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MSDS summary of changes	No deletion, addition or revision to date
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The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.

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