



# GOUDEN Bi Class Soda Safety Data Sheet

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Sodium Bicarbonate
IUPAC Name	Sodium Hydrogen Carbonate
Molecular Formula	NaHCO <sub>3</sub>
Other Names	<b>Gouden Bi Class Soda</b>
Company Name	Gouden Sdn Bhd
Address	39, Persiaran Kilang Pengkalan 22, Pengkalan Maju Industrial Park, 31500 Lahat, Ipoh, Perak, Malaysia
Telephone Number	605-3220968
Emergency Telephone	6012-2361616



## 2. HAZARDS IDENTIFICATION

### NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS

Does NOT classified as hazardous according to the criteria of ASCC and Directive 67/548/EEC.

Sodium Bicarbonate is currently not listed in ANNEX VI of EU CLP Regulation No 1272/2008. Based on available physical, health and environmental data there is no need to classify or label according to the criteria of the CLP Regulation.

### 2.1. Other Hazards

The substance does not contain any PBT or vPvB

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (common name)	Norm
Sodium Bicarbonate (%)	99.10 min
Sodium Carbonate (%)	0.50 max
Chlorides (ppm)	100 max
Sulphate (%)	0.07
Iron (ppm)	6 max
Heavy Metal (ppm)	5 max
Arsenic (ppm)	1.5
Copper (ppm)	30
Inorganic salts, water	<1%





#### **4. FIRST AID MEASURES**

<b>Eyes</b>	In case of contact with material, immediately flush skin or eyes with running water. Seek medical attention if symptoms persist.
<b>Inhalation</b>	Remove victim to fresh air. Seek medical attention if symptoms persist.
<b>Ingestion</b>	Thoroughly rinse mouth with water. Give large amounts of water to drink. Seek medical attention if symptoms persist.
<b>Skin</b>	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if symptoms persist.

#### **5. FIRE FIGHTING MEASURES**

For Major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

<b>Suitable extinguishing Media</b>	Water fog, water spray, foam, dry agent (carbon dioxide or dry chemical powders)
<b>Hazardous Combustion</b>	This product will liberate carbon dioxide and sodium carbonate, which is a respiratory, skin and eye irritant. Avoid exposure to lime dust combined with sodium bicarbonate as caustic soda may be formed on the skin.
<b>Firefighting Equipment</b>	Wear ASCC approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion</b>	No information provided.
<b>Hazchem Code</b>	Not allocated.

#### **6. ACCIDENTAL RELEASE MEASURES**

##### **6.1 Personal precautions**

- Refer to protective measures listed 7 and 8

##### **6.2 Environmental precautions**

- Do not flush into surface water or sanitary sewer system.
- Prevent any mixture with an acid into the sewer/drain (gas formations).

##### **6.3 Methods for cleaning up**

- Sweep up and shovel into suitable containers for disposal.
- Avoid dust formation
- Keep in properly labeled containers.





**GOUDEN**

Ipoh Tel : +605 322 0968

Fax : +605 322 0969

Mobile : 012 273 2663

Website : www.gouden.com.my

Email : info@gouden.com.my

Mobile : 012 236 1616

- Keep in suitable; closed containers for disposal
- Treat recovered material as described in the section “Disposal considerations”

**7. HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible products
<b>Storage</b>	Keep in a dry place Store in original container Keep container closed Keep away from incompatible products
<b>Specific use (s)</b>	Soda blasting
<b>Other Information</b>	Avoid dust formation

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure Limit</b>	Sodium Bicarbonate time weight averaged for 8 hour workdays
<b>Exposure Standards (ASCC)</b>	<b>Inspirable dust:</b> TWA: -ppm / 10mg/m <sub>3</sub> STEL: -ppm/ -mg/m <sub>3</sub> <b>Respirable dust:</b> TWA: -ppm / 3mg/m <sub>3</sub> STEL: -ppm/ -mg/m <sub>3</sub>
<b>Engineering Controls</b>	Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.
<b>Respiratory Protection</b>	Wear an effective dust mask if engineering controls are inadequate or use an ASCC approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information
<b>Eye Protection</b>	To prevent eye contact wear eye protection such as safety glasses with side shields.
<b>Skin Protection</b>	To prevent skin contact wear protective clothing, such as rubber or PVC gloves and light weight protective clothing.
<b>Hygienic Practices</b>	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains in close proximity to points of potential exposure.





**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 General Information**

<b>Appearance:</b>	White Powder
<b>Odor:</b>	Odorless
<b>PH Rating:</b>	7.9 – 8.2 Alkaline (10g/L)
<b>Particle Size:</b>	200 Mesh
<b>Mosh Hardness Rating:</b>	2.3 – 2.5
<b>Density:</b>	2.22
<b>Freezing/ Melting point:</b>	No information available
<b>Vapour Pressure:</b>	Not Applicable
<b>Vapour Density (Air=1):</b>	Not Applicable
<b>Viscosity:</b>	1.2 mPa.s
<b>Boiling point / range:</b>	Not Applicable (Thermal decomposition)
<b>Flash point:</b>	Not Applicable
<b>Flammable Limit – Lower:</b>	Not Applicable
<b>Flammable Limit – Upper:</b>	Not Applicable
<b>Cleaning Rating as defined by the EPA:</b>	A1

**9.2 Characteristics**

Biodegradable	Environmentally Friendly	100% Food Grade
Non-Hazardous	Non-Toxic	Non-Flammable
Non-Sparkling	Non-Corrosive	Odorless
Removes Odor	Non-Irritant to eye or skin	Mould resistant

**10. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Chemical Stability</b>	Product is stable under normal conditions of use and storage.
<b>Incompatible Materials</b>	Acids. Avoid exposure to lime dust combined with sodium bicarbonate as caustic soda maybe formed on the skin.
<b>Hazardous Decomposition</b>	Carbon dioxide and sodium carbonate, which is a respiratory, skin and eye irritation.
<b>Hazardous Polymerization</b>	No information provided.
<b>Conditions to Avoid</b>	Sources of ignition, excessive heat, direct sunlight, moisture and high temperature.





**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity</b>	Oral (rat) LD <sub>50</sub> = 4220 mg/kg
<b>Routes of Exposure</b>	Inhalation, ingestion, eye and skin
<b>Health effects from likely routes of exposure</b>	Inhalation: May cause cough and mild respiratory irritation Ingestion: Ingestion of large amounts may cause vomiting and abnormal pain. Dosed above 5mg/kg body weight can cause alkalosis and expansion in extra-cellular fluid volume with odema. Eye: May cause mild irritation. Skin: May cause mild skin irritation in sensitive individuals. particularly if the skin is moist.
<b>Effects of Overexposure</b>	No information available
<b>Carcinogenicity</b>	No information available

**12. ECOLOGICAL INFORMATION**

<b>Eco-toxicity</b>	No information available.
<b>Mobility</b>	Water, Soil/sediments Remarks: Mobility
<b>Bioaccumulative potential</b>	No information available.
<b>Results of PBT assessment</b>	Sodium Bicarbonate is not considered to be a PBT substance.
<b>Other adverse effect</b>	No data available

**13. DISPOSAL CONSIDERATIONS**

<b>Waste from residues / unused products</b>	-Contact waste disposal service -If recycling is not practicle, dispose of in compliance with local regulations -Dilute with plenty of water -Neutralize with acid
<b>Packing Treatment</b>	- To avoid treatments, use dedicated container - Clean container with water - Dispose of rinse water in accordance with local and national regulations.







**14. TRANSPORT INFORMATION**

**SEA (IMO/IMDG)** Not regulated

**AIR (ICAO/IATA)** Not regulated

**European Road/Rail (ADR/RID)** Not regulated

**15. REGULATORY INFORMATION**

Sodium Bicarbonate does not require labeling according to directive 1272/2008/EC  
Cosmetic products are regulated by Directive 76/768/EEC  
Animal feed is regulated by Directive 2013/68/EC

**16. OTHER INFORMATION**

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Gouden Sdn Bhd nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled person at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process.

This information gives typical properties only and is not to be used for specification purposes. Gouden Sdn Bhd reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Sodium Bicarbonate is also defined as food additive (raising agent, acidity regulator) intended for human food. In 1989, the European Community adopted a Framework Directive (89/107/EEC) which set out the criteria by which additives would be assessed and provided for adoption of three specific technical directives.

**\*Please read instructions/label before using the product.**

Last revision of MSDS: Rev 3.3 (January 23<sup>th</sup>, 2020)

