



Manufacturing Facility & R&D Centre
 33/1, Ghansar, Halol, Distt. Panchmahals,
 Gujarat - 389 350, India
 Phones: +91-2676-247170, 247069
 Fax: +91-2676-247236



Global Drilling Fluids & Chemicals Limited

Corporate Office:
 75 Sector 27 C, Mathura Road,
 Faridabad (Delhi NCR) - 121 003, India
 Phones: +91-129-4271500
 Fax: +91-129-4155502
 Web: www.globaldrilling.in
 E-mail: global@globaldrilling.in

MSDS SHEET GLO SODIUM BICARBONATE

Section 1: Product and Company Identification

Product Name	GLO SODIUM BICARBONATE
Common Name	Sodium Bicarbonate/ Baking soda
Product Use	Drilling Mud Additive
Product Type	Commercial chemical

Company Identification:

Global Drilling Fluids and Chemicals Limited
 Corporate Office and Information Centre
For Product Information and MSDS Requests
 75 Sector 27 C, Mathura Road,
 Faridabad (Delhi NCR) - 121 003, India
 Phone: +91-129-4271500
 Fax: +91-129-4155502
 Email: info@globaldrilling.in

Section 2: Composition /Information On Ingredients

Chemical Characterization	NaHCO ₃ content 98% Min
---------------------------	------------------------------------

Section 3: Hazard Identification

Adverse human health effect	No specific risk when handled in accordance with good occupational hygiene and safety practices .
Environmental Effects	Negligible
Physical and Chemical hazards	Slightly flammable
Other Hazards	No specific hazard under normal condition of use

Section 4: First Aid Procedures

Eyes	Hold eyelids apart and flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
Skin	Wash thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.
Ingestion	Drink water to dilute. Never give anything by mouth to an unconscious person. Seek medical attention.
Inhalation	If exposed to a high concentration of dust, remove to fresh air and restore breathing. If not breathing give artificial respiration. Seek medical attention.
Other Instructions	Sensitive individuals should avoid further contact. If irritation persists, seek medical attention. Persons seeking medical attention should carry a copy of this MSDS with them.

Section 5: Fire Fighting Measures

Extinguishing Media	Carbon dioxide, dry chemical, foam and water spray or fog. Use water to cool fire-exposed containers
Fire fighting procedures	Normal fire fighting procedures may be used

Section 6: Accidental Spill / Release Measures:

Steps to be taken is the material is released or spilled	Wear proper protective equipment. Contain the spill and minimize dust. Re-package or recycle if possible, or place in a suitable waste container. Keep out of sewers and waterways.
Spill Management	Avoid Creating a dust Cloud. Shovel Sweep or use industrial vacuum cleaner. Reduce airborne dust or scattering by moistening by water
Reporting	Please follow Local Laws
Disposal	The material must be disposed as per the Regulations of the Local Laws

Section 7: Handling and Storage

Precautions	Use caution to avoid dust and to prevent inhalation of dust. High Airborne dust contaminations may cause dust explosion Hazard. Avoid Breathing material, Keep container closed. Use with adequate ventilation. Avoid contact with eyes , Skin and clothing
General Information	Keep away from oxidizing materials in a cool Dry well ventilated area

Section 8: Occupational Control Measures / Personal Protection

Respiratory	Wear a high efficiency particulate respirator when exposure exceeds the recommended limits.
Ventilation	Supply natural or mechanical ventilation adequate to keep exposures below the recommended exposure limits.
Skin	Wear appropriate gloves and long protective clothing. Wash thoroughly after handling. Wash clothes and clean shoes before reuse
Eyes	Wear safety glasses with side guards. Insure proper fit for best Protection
Other Protective Equipment	Ordinary measures of personal hygiene should be observed. Avoid contact with eyes, skin and clothing and inhalation of dust.

Section 9: Physical and Chemical Characteristics

Properties	Value
Physical State	White free flowing powder
Specific gravity	2.16
Total alkalinity (as NaHCO ₃), % by mass as received	>98.0%
Loss on drying	0.20 % max

Please also see attached Specification Sheet

Section 10: Stability and Reactivity

Stability	Stable under normal conditions of use
Materials to avoid	Strong oxidizers, it reacts with acids to form carbon dioxide. Dangerous reaction with mono ammonium phosphate or a sodium-potassium alloy.
Hazardous decomposition products	Gaseous carbon dioxide
Hazardous Polymerization	Will not occur

Section 11: Toxicological Information

Acute Toxicity	N/A
Eyes	The material is dusty so may cause Irritation to the Eyes symptoms may include mild irritation, redness, and pain.
Skin	Skin irritation may occur in sensitive individuals after repeated or prolonged contact
Inhalation	Excessive or repeated inhalation may cause respiratory irritation. High concentrations of dust may cause coughing and sneezing.
Ingestion	Not to be swallowed. Extremely large oral doses may cause gastrointestinal disturbances.

Section 12: Ecological Information

Degradability	unknown
Effects on Aquatic Environment	Non toxic

Section 13 Disposal Considerations

In accordance with local and national regulations provided by the local authorities

Section 14 Transport Information

The material is not regulated for transport of Dangerous Goods: ADR, IATA

Section 15 Regulations Information

NO regulations applicable	
Precautionary Labeling	WARNING! Contains Powdered Material, May cause eye, skin and respiratory tract irritation.
Precautions for transportation handling and Storage	Protect sacks from heat and excessive moisture. Minimize dust exposure during use.

Section 16 Additional Information:

The statements, information, and data provided in this MSDS are believed reliable and accurate by Global Drilling Fluids & Chemicals Limited and its responsible personnel

Revision 02/20/10/07