



Reano Chemical Corp.

Building A, Jinrong Gang, East District, Dongying City, Shandong Province, China.

Material Safety Data Sheet

NO.: A001R150825006005

Date: Aug 28, 2015

Section 1 - Chemical Product and Company Identification

Product Name: Sodium bromide liquid
Application: Drilling Fluid and Completion Fluid
Manufacture: Reano Chemical Corp.
Address: No. 430-1, Huanghe Road, Dongying District, Donging City, Shandong Province.
Emergency Telephone:0546-8350326
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Section 2 - Hazards Identification

Cause mild eye irritation.

Section 3 - Composition/Information on Ingredient

Composition:

CAS Number	Wt. %	Ingredient Name
7647-15-6	1-48	Sodium Bromide

Section 4 - First Aid Measures

INHALATION - Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Give artificial respiration if not breathing. Give oxygen if breathing difficult. Get medical attention.

INGESTION - Do not induce vomiting. If conscious, rinse mouth thoroughly with water and give large amounts of milk or water. Never give anything by mouth to unconscious person. Get medical attention.

SKIN CONTACT - Flush skin with soap and running water for at least 15 minutes while removing contaminated clothing immediately. Get medical attention.

EYE CONTACT - Make sure to remove any contact lenses from the eyes before rinsing. Flush immediately with plenty of water, holding the eyelids open. Continue to rinse for at least 15 minutes. Seek medical attention immediately.



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Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA - For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

PROTECTIVE MEASURES IN FIRE - Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS - Wear protective clothing as described in Section 8 of this safety data sheet. Avoid direct contact with the spilled material.

SPILL CLEAN UP METHODS - Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Collect in containers and seal securely. Remove containers and flush area with water.

Section 7 - Handling and Storage

USAGE PRECAUTIONS - Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Avoid ingestion and inhalation.

STORAGE PRECAUTIONS - Store in original container and keep it in a dry, cool and well - ventilated place. Keep away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

PROTECTIVE EQUIPMENT:



ENGINEERING MEASURES - Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT - Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

HAND PROTECTION - Use suitable gloves to prevent skin contact.

Section 9 - Physical and Chemical Properties

APPEARANCE: Clear liquid

COLOUR: Colourless to light yellow

ODOR: Odorless



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BOILING POINT: Not Available

MELTING POINT: Not Applicable

SPECIFIC GRAVITY: 1.01 – 1.53 @20°C

WATER SOLUBILITY: Completely

PH: 5.5-8.5@5% solution

Section 10 - Stability and Reactivity

STABILITY - Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID - Incompatible materials, dust generation, heating to decomposition, exposure to moist air or water. MATERIALS TO AVOID - Strong acids, bromine trifluoride.

HAZARDOUS DECOMPOSITION PRODUCTS - Hydrogen bromide, sodium oxide, bromine fumes.

Section 11 - Toxicological Information

INGESTION - May cause irritation of the digestive tract. Symptoms may include: headache, excitement, fatigue, nausea, vomiting, stupor, and coma. May be harmful if swallowed.

EYE CONTACT - Causes mild eye irritation.

SKIN CONTACT - May cause skin irritation. May be harmful if absorbed through the skin.

INHALATION - Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation. May be harmful if inhaled.

Section 12 - Ecological Information

ECOTOXICITY –

Fish: Bluegill/Sunfish: >1000 mg/L; 96 h;

LC50 Daphnia: Daphnia: >1000 mg/L; 48 h; LC50

Section 13 - Disposal Considerations

Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

Section 14 - Transport Information

Packaging Method:Packed in IBC tanks.



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Transport Attentions: Examine whether the package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Corresponding varieties and number of fire equipment and spill contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. For transport. The transport instrument must be cleaned and sterilized otherwise it is not allowed to assemble other articles. Shipment of the goods vehicle exhaust pipe must be equipped with fire retardant device, prohibit the use of easy to produce sparks machine equipment and tool loading and unloading. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

DOT: This substance is considered to be non-hazardous for transport.

RID/ADR: This substance is considered to be non-hazardous for transport.

IATA: This substance is considered to be non-hazardous for transport.

IMO: This substance is considered to be non-hazardous for transport.

UN Number: None

Section 15 - Regulatory Information

LABELLING:

NC – Not classified.

Risk Phrases: Not available.

Safety Phrases:

S24/25 – Avoid contact with skin and eyes.

Section 16 - Additional Information

INFORMATION SOURCES - Material Safety Data Sheet, Misc. manufacturers. Product information provided by the commercial vendor(s).

DISCLAIMER

The information in this Data Sheet applies only to the products described herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge. The customer is strongly advised to observe and ensure that their employees, customers or users observe all information contained herein. However, no warranty is made or implied that the information is accurate or complete and we shall not be liable whatsoever arising out of the use of information or the products described herein. Where third party products are used in conjunction with or instead of products produced or supplied customers or users should themselves obtain all necessary technical, health and safety information about such products from third party.