

Product Name
Gasser Solution

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Gasser Solution

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Recommended Use: Effect Chemical for the manufacture of bulk explosives SUN-GREEN and SUN50G.

2. HAZARDS IDENTIFICATION

Hazard Classification

Clear, pale yellow solution. Odorless.

Risk Phrase(s)*

R25 Toxic if swallowed.

R50 very toxic to aquatic organisms.

R8 contact with combustible material may cause fire.

Safety Phrase(s)*

S23 Do not breathe gas/fumes/vapour/spray.

S36/37/39 wear suitable protective clothing, gloves and eye protection.

S45 In case of accident if you feel unwell seek medical advice immediately

S62 If swallowed, do not induce vomiting. Seek medical advice immediately and show this document.

Avoid all body tissue contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name	CAS	Proportion
Sodium Nitrite	7632-00-0	10 - 40%
Water	7732-18-5	Balance
Other Oxidising salts		Trace quantity

4. FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation:

Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye:

Immediately flush with fresh water for 15 minutes.

External:

Wash continuously with fresh water for 15 minutes.

Internal:

Give large quantities of water. Call a physician or poison control at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray.

Hazard from combustion

Under fire condition this product may emit toxic or irritating fumes including oxides of nitrogen.

Products specific hazard

This product is a strong oxidizing agent. Contact with combustible material can readily ignite fire.

Fire fighting precautions

Use full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Have emergency equipment (for spills, leaks, etc.) readily available. Wear appropriate protective equipment to prevent skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled containers. Keep containers tightly closed. Store away from water and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, pale yellow solution, odourless.

Odour: Not available

Melting Point: Not applicable

Boiling Point: 100 °C

Solubility in Water: Soluble

Specific Gravity: 1.25

PH Value: 8.0-9.0

Vapour Pressure: Not applicable

Vapour Density (Air=1): Not applicable

Flash Point: Not applicable

Auto-Ignition Temperature: Not applicable

Flammable Limits – Lower: Not applicable

Flammable Limits – Upper: Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Heat, direct sunlight. Direct contact with combustible materials and organic nitrate salts.

Incompatible Materials Concentrated Acids, Ammonium and Amino guanidine salts, Barium thiocyanate, Benzene salts, Mercury cyanide, Phthalic acid, Phthalic anhydride, potassium ferric cyanide, potassium ferrocyanide, Sodium disulfite, Sodium nitroferrocyanide, Sodium thiocyanate, Sodium thiosulfate, urea.

Hazardous Decomposition Products Thermal decomposition may result in the release of toxic and/or irritating fumes.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

ORL-RAT LD50: Not applicable.

IHL-RAT LC50: Not applicable.
SKN-RBT LD50: Not applicable.
Chronic Effects: Not applicable.
Carcinogenicity: Not applicable.
Acute effect: Irritant.

12. ECOLOGICAL INFORMATION

Eco toxicity: Very toxic to aquatic organisms.
Environmental Protection: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations
Please consult with state and local regulations.

14. TRANSPORT INFORMATION

Shipping Name: Oxidizing liquid, class 5.1 subsidiary risk 6.1 toxic substance.
Hazard Class: Not applicable.
UN Number: UN 3099 PGIII.

15. REGULATORY INFORMATION

Poisons Schedule
S6.

16. OTHER INFORMATION

Consult Sun Mining Services technicians for additional information about effect chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Sun Mining Services makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Sun Mining Services assumes no legal responsibility for use or reliance upon this data.

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