

IceGone - Gas Hydrate Inhibitor SDS, Safety Data Sheet
MSDS Sheet, Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: IceGone - Gas Hydrate Inhibitor

Recommended uses and uses advised against (if any): Industrial Manufacturing and Hydraulic Fracturing.

SUPPLIER

Company: Finoric LLC

Address: 8115 Loop 540, Beasley, Texas, 77417 USA

In case of emergency contact:

InfoTrac

US: 1-800-535-5053

International: 352-323-3500

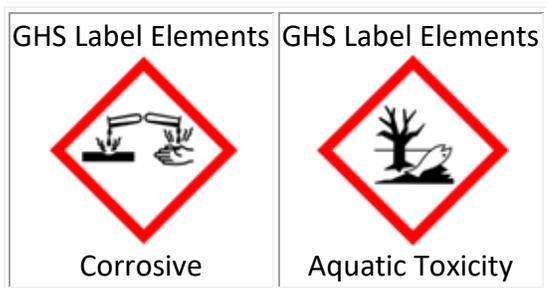
Section 2 - Hazards Identification

**GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910
Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation (Category 1A, B, C) H314

Hazardous to the aquatic environment, long-term hazard (Category 2) H411

Labeling according GHS USA & Regulation (EC) No 1272/2008



Signal Words: Danger

Hazard statements:

H314: Causes severe skin burns and eye damage.

H411: Hazardous to the aquatic environment, long-term hazard.



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Precautionary statements:

P260: Do not breathe mist, vapors, spray.
P264: Wash exposed skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective clothing, protective gloves, eye protection, face protection.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314: Get Medical advice/attention if you feel unwell.
P337+ P313 If eye irritation persists: Get medical advice/ attention.
P360: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use carbon dioxide (CO₂), powder, alcohol-resistant foam for extinction.
P391: Collect spillage.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container to comply with local, state and federal regulations.

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

Hazard Symbols:

C Corrosive

N Dangerous for the environment

Risk Phrases:

R35 Causes severe burns.

R51 Toxic to aquatic organisms

Section 3 - Composition/Information on Ingredients

Ingredient 1 Name: Butylene carbonate

CAS#: 4437-85-8

Percent: 35-35%

Ingredient 2 Name: Dipropylene glycol

CAS#: 25265-71-8

Percent: 20-35%

Ingredient 3 Name: Proprietary Formulation and Water

CAS#: --

Percent: QS



Section 4 - First Aid Measures

Always consult a physician after the first aid is given.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Do NOT allow victim to rub eyes.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use DRY chemical powder, alcohol foam, water spray or fog.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, environmental precautions and emergency procedures: Avoid breathing dust/fumes/gas/mist/vapors/spray. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Restrict unprotected personnel from the area. Prevent any contact with hot surfaces. Do not approach facing the wind. Do not touch the spilled material. Keep away from drains, surface and groundwater and soil.

Methods and materials used for containment Cleanup procedures and Storage: Contain spilled material. Cover with an inert, non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite), sweep up, and remove to an approved disposal container. Wash area with soap and water. Use water spray to disperse the gas/vapor. Provide ventilation.

Section 7 - Handling and Storage

Precautions for safe handling: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Wash thoroughly after handling. Do not drink, eat or smoke while handling. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust/fumes/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Prevent any contact with hot surfaces. Containers of this material may be hazardous when empty since they retain product residues.



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Conditions for safe storage, including any incompatibilities: Store in cool, dry and ventilated area away from heat sources and protected from sunlight in tightly closed original container. Keep air contact to a minimum. Store protected from heat, sparks and ignition sources and incompatible materials. Avoid contact with skin and eyes. Avoid inhalation of dust/mist/vapor. Do not store with incompatible materials like oxidizing agents, strong alkalis and acids. Protect from temperatures above 60C.

Section 8 - Exposure Controls, Personal Protection

Airborne Exposure Limits: Airborne Exposure Limits: Not established

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 - Physical and Chemical Properties

Appearance: Yellowish viscous liquid

Odor: Amine-like odor

Odor threshold: Not available.

pH: 10-11

Relative density: 1.08

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Upper/lower flammability or explosive limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.



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Partition coefficient: n-octanol/water: Not available.

Solubility: Soluble in water

Viscosity: Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. It is hygroscopic.

Conditions to Avoid: Ignition: heat, sparks, open flame, acids, oxidizing agents, alkalis.

Incompatibilities with Other Materials: Oxidizing agents, strong alkalis and acids.

Hazardous Decomposition Products: Carbon oxides, toxic fumes and gases, nitrogen oxides.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Mutagenicity: No mutagenic effect was found in tests for the components.

Carcinogenicity: Carcinogenic effects has not been reported for the components.

Section 12 - Ecological Information

Environmental Toxicity: The material is hazardous to aquatic life.

Bioaccumulation/ Accumulation: No information available.

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container of and unused contents in accordance with law.

Section 14 - Transport Information

DOT (USA) & ADR/RID

UN number: 3082

Class: 9; Packing group: III

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Section 15 - Regulatory Information

European Labeling in Accordance with EC Directives

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R 35 Causes severe burns. R51 Toxic to aquatic organisms

Section 16 - Additional Information

Prepared by AJK on 27 November 2019 - Printed on: 18 January 2020

Disclaimer:

The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
