

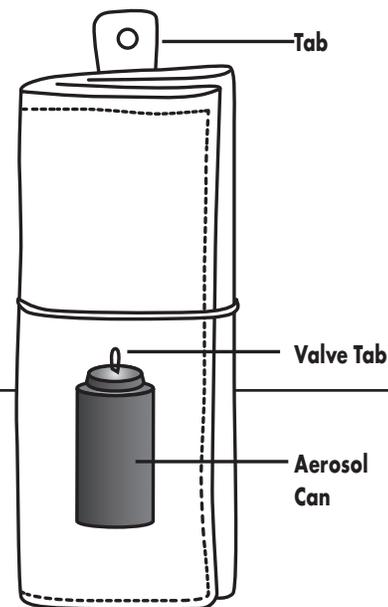
Gas Bags®

Aerosol Version Material Safety Data Sheet

STEMLOCK®
INCORPORATED

Date of Preparation: January 1, 2014
Section: 1 ¾ Chemical Product And Company Identification
Manufacturer: LHB Industries
8833 Fleisher Place
Berkeley, MO 63134
Emergency Telephone Number (800) 424-9300 (Chemtrec)
Information Telephone Number (314) 423-4333
Product ID: Stemlock 9" Gas Bag Aerosol
LHB Part Number: 0134-000

Stemlock® Gas Bags®



Section 2 - Composition / Information On Ingredients

CAS No.	Ingredient	Wt%	ACGIH TLV <STEL>	OSHA PEL <STEL>	Vapor Pressure (mm Hg 20°C)
68476-86-8	Liquefied Petroleum Gas	34	1000 ppm	NE	46 psig @70°F
57-55-6	1,2-Propanediol	30	NE	NE	<0.1

Section 3 - Hazards Identification

ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin and upper respiratory system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, eye, liver, kidney and lymphatic disorders.

Section 4 - First Aid Measures

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

SKIN CONTACT: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing and shoes before reuse.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Consult medical personnel.

INGESTION: If swallowed, rinse mouth out and then drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Consult medical personnel.

Section 5 - Fire Fighting Measures

Flash Point -156°F (propellant only) LEL 1.8 UEL 9.5

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemicals and Foam

SPECIAL EXPOSURE HAZARDS: Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL PROTECTIVE EQUIPMENT: Water may be used to keep fire-exposed containers cool. Fire fighters should wear full protective clothing, including self-contained breathing equipment.

NFPA RATING: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

HMIS CLASSIFICATION: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

Section 6 - Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES: Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

ENVIRONMENTAL PRECAUTIONARY PROCEDURE FOR CLEANING/ ABSORPTION: Wipe, scrape or soak up contents in an inert material. Pick up spill for recovery or disposal and place in a closed container. Dispose of in accordance with applicable Federal, State & Local regulations.

Section 7 - Handling and Storage

HANDLING: Keep out of reach of children. Keep away from heat sparks,

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Gas Bags® Aerosol Version Material Safety Data Sheet continued

and open flame. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally.

STORAGE: CATEGORY – NFPA 30B Level 1 Aerosol

Do not store where temperatures may exceed 120°F (48.9°C).

Section 8 – Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Local Exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

GLOVES: None required for normal application.

SKIN PROTECTION: Impervious clothes to protect skin. Wash promptly when skin becomes contaminated.

EYES: Safety glasses with side shields or chemical goggles.

OTHER PERSONAL PROTECTION DATA: Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands after using.

Section 9 - Physical and Chemical Properties

PHYSICAL STATE: Liquid

COLOR: Blue

ODOR: None

SPECIFIC GRAVITY: 0.796

DENSITY: 6.64 lb/gal

VAPOR DENSITY (AIR=1) >1

pH 10.0

EVAPORATION RATE: Slower than ether

SOLUBILITY IN WATER: Soluble

Section 10 - Stability and Reactivity

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Do not expose to heat or store at temperature above 120°F

MATERIAL TO AVOID: Strong acids. Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, and Carbon Dioxide

Section 11 - Toxicological Information

TOXICOLOGY DATA (listed if available)

Section 12 - Ecological Information

ECOLOGICAL INFORMATION: No data available

Section 13 - Disposal Considerations

DISPOSAL OF WASTE METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40

CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 14 - Transport Information

U.S. DOT 49 CFR 172.101 Hazardous Material Table

DOT SHIPPING NAME: Consumer Commodity

UN NUMBER: 1950

CLASS OR DIVISION: ORM-D

IATA: List of Dangerous Goods

PROPER SHIPPING NAME: Aerosols, non-flammable

CLASS OR DIVISION: 2.2

UN NUMBER: 1950

IMDG: International Maritime Dangerous Goods Code

PROPER SHIPPING NAME: Aerosols

UN NUMBER: 1950

CLASS OR DIVISION: 2

Section 15 - Regulatory Information

U.S. REGULATORY RULES

SARA SECTION 302 None

SARA 313 CHEMICALS None

CALIFORNIA PROPOSITION 65 None

TSCA CERTIFICATION All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

VOC CONTENT 34.0% by wt.

Section 16 - Other Information

REVISION NUMBER: 01

ADDITIONAL INFORMATION: This MSDS meets the requirements of 29 CFR 1910.1200.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

Prepared by: Mark Epstein, Technical Services Manager

*** END OF MSDS ***

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