

# MATERIAL SAFETY DATA SHEET

**MSDS  
S-1N**

REV. 1/10

## RELEASAGEN® S-1N AEROSOL

### MATERIAL IDENTIFICATION

**Marketer:** ReleasaGen Manufacturing, Inc  
**Telephone Numbers:** 763-972-3244 - Toll Free: 800-445-1885  
**FAX:** 763-972-6121  
**E-MAIL:** [releasagen@msn.com](mailto:releasagen@msn.com)

**Chemical Trade Name, Synonyms:** N/A  
**Chemical Family:** Mixture  
**Chemical Formula:** Proprietary Formula

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### HAZARDOUS INGREDIENTS

<u>MATERIAL</u>	<u>CAS NUMBER</u>	<u>PEL/TLV SOURCE</u>	<u>PERCENT</u>
Liquefied Petroleum Gas	68476-85-7	1000 ppm, OSHA	35-40
Heptane	142-82-5	400 ppm, ACGIH	55-65

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### PHYSICAL DATA

**Boiling Range:** -44° - 209° F  
**Pressure in can** Approximately 50 psig  
**Vapor Density (Air = 1)** Greater than 1.0  
**Solubility in Water:** Negligible  
**Specific Gravity (Water = 1):** Less than 1.0  
**Percent Volatile by weight:** Approximately 97%  
**Evaporation Rate (BuAce = 1):** Greater than 1  
**Appearance and Odor:** Liquid, solvent odor

## HAZARDOUS REACTIVITY

<b>Stability:</b>	<b>Stable</b>
<b>Conditions to Avoid:</b>	<b>Avoid all possible sources of ignition</b>
<b>Hazardous Polymerization:</b>	<b>Will not occur</b>
<b>Hazardous Decomposition Products:</b>	<b>Incomplete combustion may produce Carbon Monoxide and Carbon Dioxide</b>

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## FIRE AND EXPLOSION

<b>Flammability Category:</b>	<b>Extremely Flammable (Reference-Consumer Product Commission Flame Projection Test for Aerosol Products, per CFR 1500-45)</b>
<b>Flash Point:</b>	<b>Less than -156° F, estimated (for propellant)</b>
<b>Flammable Limits:</b>	<b>LEL % 1.9 – UEL % 15.0</b>
<b>Extinguishing Media:</b>	<b>Dry Chemical, CO<sub>2</sub>, Foam, Water Spray</b>
<b>Unusual Fire and Explosion Hazards:</b>	<b>Avoid possible bursting of aerosol can. Do not store where Temperature may exceed 120° F. Do not puncture or incinerate.</b>
<b>Special Fire Fighting Procedures:</b>	<b>Avoid possible accumulations of vapors at floor level, as Vapor is heavier than air. Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.</b>

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## HEALTH HAZARD INFORMATION

<b>Suggested Exposure Guideline:</b>	<b>400 ppm</b>
<b>Primary Route of Exposure:</b>	<b>Inhalation, skin contact</b>
<b>Inhalation:</b>	<b>High concentrations of vapors or mists may cause irritation of nose and throat and signs of nervous system depression. Pre-existing lung disorders may be aggravated by this material.</b>
<b>Skin Contact:</b>	<b>May cause mild skin irritation. Prolonged or repeated contact may cause redness, burning and drying and cracking of the skin.</b>
<b>Eye Contact:</b>	<b>Flush eyes with running water for 15 minutes.</b>
<b>Ingestion:</b>	<b>Call Physician or Poison Control Center immediately. Proper treatment is dependent on condition of patient and amount ingested.</b>

## **HEALTH HAZARD INFORMATION (cont'd):**

<b>Carcinogenicity:</b>	None of the components in this material is listed by IARC, NTP, OSHA OR ACGIH, as a carcinogen.
<b>Additional Health Hazard Data:</b>	<b>Note to Physicians:</b> Exposure to high concentrations of this material may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

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## **FIRST AID**

<b>Inhalation:</b>	Remove to fresh air. Artificial respiration. Consult Physician.
<b>Skin Contact:</b>	Wash with soap and water. Remove soaked clothing to avoid prolonged skin contact.
<b>Eye Contact:</b>	Flush eyes well with running water for 15 minutes.
<b>Ingestion:</b>	Call Physician or Poison Control Center immediately. Proper treatment is dependent upon condition of patient and amount ingested.

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## **SPILL OR LEAK PROCEDURES**

<b>Steps to be taken in case material is released or spilled:</b>	Eliminate all sources of ignition from area; ventilate area. Remove with absorbent material or flush or vacuum into a safe container. Dike large spills. Do NOT flush into sewers.
<b>Waste Disposal Method:</b>	Dispose of in accordance with all local, state and federal regulations.

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## **SPECIAL PROTECTION INFORMATION**

<b>Respiration Protection:</b>	<b>If TLV is exceeded, wear NIOSH-approved, self-contained breathing device or respirator.</b>
<b>Ventilation:</b>	<b>Must be adequate to maintain vapors at less than 400 ppm, particularly at floor level, as vapors are heavier than air.</b>
<b>Protective Gloves:</b>	<b>Prolonged contact: Solvent-resistant gloves</b>
<b>Eye Protection:</b>	<b>Safety Glasses or Goggles are recommended.</b>

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## **HANDLING AND STORAGE PRECAUTIONS**

<b>Precautions to be taken in Handling and Storage:</b>	<b>Do not store where temperature may exceed 120° F. Store away from fire, sparks or flame.</b>
<b>D.O.T. Shipping Classification:</b>	<b>CONSUMER COMMODITY</b>
<b>Hazard Class:</b>	<b>ORM-D</b>
<b>I.D. Number:</b>	<b>None</b>
<b>Label Required:</b>	<b>None – Cartons must be marked “CONSUMER COMMODITY”</b>

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## **SPECIAL PRECAUTIONS**

<b>Precautions for Usage:</b>	<b>Do NOT use near heat, fire, flames or sparks. Avoid excessive breathing of vapor. Do not spray in direction of body. Use only in accordance with directions!</b>
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**NOTICE:** This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data.

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**END OF MSDS**