

**Material Safety Data Sheet**  
**Niagara® Aerosol Spray Starch**  
**SKU# 08120, 08102, 08125, 08150, 08192**

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Rev. Date  
05/07/07

**SECTION #1 – PRODUCT AND COMPANY IDENTIFICATION**

Product: NIAGARA® Lemon Spray Starch  
Phoenix Brands Consumer Service Telephone Number: 1-866-794-0800  
2855 N. Franklin Rd., #7 Emergency Contact: PROSAR IPC  
Indianapolis, Indiana 46219 USA Emergency Phone Number: 1-866-794-0800  
Product Description: Aqueous solution/suspension of starch in pressurized aerosol can.

**SECTION #2 – COMPOSITION, INFORMATION ON INGREDIENTS**

Product Component: Starch (CAS No. 9005-25-8)  
OSHA PEL: 15 mg/m<sub>3</sub> (total dust); 5 mg/m<sub>3</sub> (respirable fraction)  
ACGIH TLV: 10 mg/m<sub>3</sub>  
Propellant Component: Isobutane (CAS No. (75-28-5))  
OSHA PEL: 1000 parts per million (ppm) TWA, as *Liquefied Petroleum Gas*  
ACGIH TLV: 1000 ppm TWA, as *Liquefied Petroleum Gas*

**SECTION #3 – HAZARDS IDENTIFICATION**

**Route of Exposure – Inhalation -** Under normal conditions of use, there are no known health hazards from inhalation. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.  
**Route of Exposure – Skin -** The constituents are not skin irritants nor are they known to be allergenic.  
**Route of Exposure – Eyes -** The product is non-irritating. Contact with the eyes may produce temporary discomfort due to the presence of foreign objects.  
**Route of Exposure – Ingestion -** The product is non-irritating. Ingestion may cause temporary discomfort in the mouth and upper gastrointestinal tract.

**SECTION #4 – FIRST AID MEASURES**

**First Aid – Inhalation -** Give the subject access to fresh air. If symptoms do not resolve quickly, seek medical assistance.  
**First Aid – Skin -** If skin irritation occurs in use, seek medical assistance.  
**First Aid – Eyes -** Flush affected areas with water for at least 15 minutes. Seek medical assistance if required.  
**First Aid – Ingestion -** Treat symptomatically. If the individual is unconscious or convulsive, seek medical assistance.

**SECTION #5 – FIRE FIGHTING MEASURES**

**Propellant:** Flash Point: -117F./-83C **Autoignition Temperature:** 860 F./460 C  
**Lower Explosive Limit:** 1.8% **Upper Explosive Limit:** 8.4%  
**Fire and Explosion Hazards -** Although the contents are non-flammable and non-explosive, the propellant is highly flammable. Do not spray product near an open flame or other source of ignition. Do not expose cans to heat or store at temperatures exceeding 120 F./49 C. Do not puncture or incinerate containers.  
**Extinguishing Media -** See *Special Fire Fighting Instructions*  
**Special Fire Fighting Instructions -** If containers are endangered by fire from an external source, cool them with water spray to prevent rupture of cans and ignition of the propellant. A fire proximate to large quantities of flammable pressurized cans represents an explosion hazard, and should be controlled only by those with appropriate qualifications and training.

**SECTION #6 – ACCIDENTAL RELEASE MEASURES**

**Steps to be Taken in The Event of Spills, Leaks, or Release**  
If cans are ruptured, eliminate sources of ignition. Evacuate all non-essential personnel and ventilate the area. Contents of cans may be flushed away with large quantities of water. If covered by product, floors may be slippery.  
**Waste Disposal Methods -** Do not puncture or incinerate containers. Dispose of unused containers of product in accordance with applicable Federal, State/Provincial, and local regulations.

**SECTION #7 – HANDLING AND STORAGE**

Store cans in a dry place at temperatures below 120 F./49 C. and away from flames and incompatible materials (see Section #10).  
NFPA 30B Storage: Level 1

**SECTION #8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation -** Mechanical ventilation is not required under normal conditions of use.  
**Eye Protection -** Eye protection is not required under normal conditions of use. If eye contact is likely, wear eye protection.  
**Skin Protection -** Skin protection is not normally required. If gloves are desired for protection against irritation, water-impervious types (e.g. rubber, PVA, or nitrile) are recommended.  
**Respiratory Protection -** Respiratory protection is not normally required. If this product is used in a manner that generates airborne mist not controlled by ventilation, wear a NIOSH-approved respirator with filters for protection against dusts (type N95 or better). For guidance on the selection and use of respiratory protection, consult American National Standard Z88.2-1992 (ANSI, New York, NY 10036 USA).

**SECTION #9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Product:</b>	Solubility (H <sub>2</sub> O): soluble	Percent Volatiles: not applicable
	Vapor pressure: not applicable	Evaporation Rate: not applicable
	Appearance: milky translucent aqueous mixture, lemon odor	
<b>Propellant:</b>	Vapor pressure: 31 PSIG at 70F/21C	Percent Volatiles: 100%
	Boiling Point: 11 F./-12 C	Vapor Density (air=1): 2.01
	Sp. Gravity (H <sub>2</sub> O=1): 0.56	Solubility (H <sub>2</sub> O): sparingly
	Appearance: colorless gas, mild petroleum odor	

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**SECTION #10 – STABILITY AND REACTIVITY**

**Conditions to Avoid** - This product is stable when maintained at room temperature. If heated to temperatures above 120 F/49 C., cans may rupture.

**Incompatible Materials** - Cans should not be exposed to mists or acidic, alkaline, or corrosive chemicals in storage or use.

**Hazardous Decomposition Products** - If the product is consumed by flame, thermal decomposition byproducts may include carbon monoxide, carbon dioxide, and smoke. Hazardous polymerization will not occur.

**SECTION #11 – TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** None of the components of this product are classified as potential or demonstrated human carcinogens by IARC, NTP, or OSHA.

**SECTION #12 – ECOLOGICAL INFORMATION**

Component (CAS No.)	LD50 (Route/Species)	LC50 (Route/Species)
Starch (9005-25-8)	No data available	No data available
Isobutane (75-28-5)	No data available	57pph/15 min (inhalation/rat)

**SECTION #13 – DISPOSAL CONSIDERATIONS**

Do not puncture or incinerate containers. Dispose of unused containers of product in accordance with applicable Federal, State/Provincial, and local regulations.

**SECTION #14 – TRANSPORTATION INFORMATION**

**WHMIS Hazard Classification(s):** NA  
**International Maritime Class:** 2  
**UN Number:** 1950

**SECTION #15 – REGULATORY INFORMATION**

Controlled Products Regulations (Canada) Information  
SARA Title III - Hazard Class(es): None applicable  
SARA Title III - Section 313 Supplier Notification: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

**SECTION #16 – OTHER INFORMATION – DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following: CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching. EXPOSURE LIMITS IN AIR: ACGIH – American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. TLV – Threshold Limit Value – an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit (STEL), and the instantaneous Ceiling Limit. Skin adsorption effects must also be considered. OSHA – U. S. Occupational Safety and Health Administration. PEL – Permissible Exposure Limit – this exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). FLAMMABILITY LIMITS IN AIR: Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). LEL – the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL – the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

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