



# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

**PRODUCT NAME: FOOD GRADE SILICONE**  
**PART #: N4840**

(NFPA RATINGS)

HEALTH: 2

FIRE: 4

REACTIVITY: 0

HMS PROTECTIVE EQUIPMENT: X See your supervisor

<b>PRODUCT INFORMATION</b> (800) 262-0012	<b>MEDICAL EMERGENCY</b> (856) 455-4555
<b>TRANSPORTATION EMERGENCY</b> CHEMTREC (800) 424-9300	<b>DISTRIBUTOR / MANUFACTURER</b> NATIONAL REFRIGERANTS, INC. 661 KENYON AVE. ROSENHAYN, NJ

## HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA

	OSHA PEL	ACGIH TLV
Isobutane (75-28-5)	-	800
Propane (74-98-6)	1000	-
Heptane (142-82-5)	500	400

## HAZARDS IDENTIFICATIONS

### EMERGENCY OVERVIEW:

**DANGER!** Flammable. Harmful or fatal if swallowed. Vapor harmful. Aerosol, contents under pressure. Irritating to eyes, skin, mucous membranes, and respiratory tract.

### POTENTIAL HEALTH EFFECTS:

**INHALATION:** Can cause irritation to the respiratory system, dizziness, nausea, light-headedness and headache.

**EYE CONTACT:** Vapors and liquids may be irritating to eyes.

**SKIN CONTACT:** May be irritant to skin. Prolonged or repeated contact may cause defatting and/or dermatitis.

**INGESTION:** Low toxicity.

**CHRONIC Effects:** (Effects due to excessive exposure to the raw materials of this mixture) May cause kidney and liver damage. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**CARCINOGENICITY:** LISTED IN NTP? No

IARC? No

OSHA Regulated? No  
1910.1000 Table Z-2

## FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If not breathing, apply artificial respiration and administer oxygen. Keep victim warm. Seek medical advice.

**EYE CONTACT:** Flush with large amounts of running water for 15 minutes occasionally lifting lower and upper eyelids. Seek medical advice.

**SKIN CONTACT:** Wash exposed area with soap and water. Remove contaminated clothing. Seek medical advice if symptoms develop.

**INGESTION:** Give water. Do NOT induce vomiting. Aspiration into lungs may cause chemical pneumonia. Seek immediate medical attention. Do not give anything by mouth to an unconscious person. If spontaneous vomiting occurs, keep head below hips.



## FIRE FIGHTING MEASURES

**FLASHPOINT (TEST METHOD):** < 20 Degrees F (TCC)

**FLAMMABLE LIMITS:** LOWER: 1.2 UPPER: 9.5

**AUTOIGNITION TEMPERATURE (non-aerosol i.e. base stock):** N/A.

**GENERAL HAZARD:** WARNING! Product under pressure, may explode from excessive heat. Water may be ineffective to fight fire. Toxic gases may be produced in fire.

**FIRE FIGHTING INSTRUCTIONS:** Do not enter without full bunker of equipment including self contained breathing apparatus. Stay upwind, keep all personnel away. Cool fire exposed containers with water.

**EXTINGUISHING MEDIA:** Use carbon dioxide, dry chemical or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

## ACCIDENTAL RELEASE MEASURES

Ventilate and isolate hazard area. Remove all sources of ignition. Keep unnecessary and unprotected personnel away. Clean up spills and leaks immediately to prevent soil and water contamination.

**LAND SPILL:** Absorb spill with inert, non-combustible material, then place in a chemical waste container.

**WATER SPILL:** Do not flush to sewer. Collect and store in a chemical waste container.

## HANDLING AND STORAGE

**HANDLING:** Use with adequate ventilation. Avoid skin/eye contact and breathing vapors. Do not smoke while spraying. DO NOT CUT, WELD, BRAZE, SOLDER, DRILL, OR EXPOSE TO HEAT, FLAME, SPARKS AND/OR STATIC ELECTRICITY. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**STORAGE:** Store in a cool, dry place away from heat (< 120°F.), ignition sources, oxidizers, and strong acids and bases.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Adequate ventilation to control vapor accumulation.

**PERSONAL PROTECTION:** If TLV exceeded, NIOSH approved respirator. Wear safety glasses or chemical goggles or full face shield and chemical impervious apron to protect from splashing. Wear chemical impervious gloves. Wash clothing before reuse.

## PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR PRESSURE:** psig @ 70°F (aerosols): 45-50

**SPECIFIC GRAVITY:** <1

**SOLUBILITY IN WATER:** Negligible

**FREEZING POINT:** Not Applicable

**APPEARANCE & ODOR:** Light Amber. Ethereal odor.

**VAPOR DENSITY (Air=1) :** >1

**EVAPORATION RATE (ETHER=1):** <1

**pH:** NA

**BOILING POINT:** 198°F (concentrate)

## STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid excessive heat, ignition sources, flames and electrical spark sources. Isolate from oxidizers and strong acids and bases.

**MATERIALS TO AVOID:** Alkali materials, mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Smoke, fumes and oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.



**TOXICOLOGICAL INFORMATION**

None known

**ECOLOGICAL INFORMATION**

No data available.

**DISPOSAL CONSIDERATIONS**

Classification of waste required before disposal. Do not puncture or incinerate. Follow all local, state and federal regulations. Aerosol cans when vented to atmosphere pressure through normal use pose no disposal hazard. Full or partially filled containers are considered hazardous waste.

**TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Consumer commodity, ORM-D  
**HAZARD CLASS:** Not applicable  
**IDENTIFICATION NUMBER:** Not applicable  
**DOT Emergency Guide #:** 126  
**Reportable Quantity (RQ):** Not Applicable  
**International:** UN1950, Aerosols, 2.1, LTD QTY

**REGULATORY INFORMATION**

**TSCA** (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.  
**CERCLA** (Comprehensive Environmental Response, Compensation and Liability Act): None  
**SARA TITLE III** (Superfund Amendments and Reauthorization Act):  
311/312 Hazard Categories: Acute, Flammability, Pressure  
313 Reportable Ingredients: None  
**CALIFORNIA PROPOSITION 65:** None

National Refrigerants, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other methods of use of the product and of the information referred to herein are beyond the control of National Refrigerants. National Refrigerants expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

**DATE OF LATEST REVISION/REVIEW:** 10/09  
**PERSON RESPONSIBLE FOR MSDS:** Ray Madariaga