



# SAFETY DATA SHEET

Issuing date 01-Mar-2019

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Version 2.01

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** 80-696 FOOD GRADE SILICONE

**Other means of identification**

**Product code** 80-696

**Product Type** Extremely Flammable Aerosol

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Dry lubricant.

**Uses advised against** No information available

**Manufactured For:**

Kimball Midwest  
4800 Roberts Rd.  
Columbus, OH 43228  
800-233-1294

**Emergency telephone number**

**Chemical Emergency Phone Number** CHEMTREC : 1-800-424-9300

**Company Emergency Phone Number** 1-800-233-1294

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

### Label elements

#### Emergency Overview

#### Danger

##### Hazard statements

Harmful if swallowed

Causes skin irritation

May cause genetic defects

May cause cancer

Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

May cause damage to organs (Eyes, Skin, Respiratory System, Central Nervous System, Peripheral Nervous System, and Hearing) through prolonged or repeated exposure.

Extremely flammable aerosol

Contains gas under pressure; may explode if heated



**Appearance** Clear

**Physical state** Aerosol

**Odor** Solvent

#### Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves, protective clothing, eye protection, face protection.

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well-ventilated area

Do not breathe dust, fume, gas, mist, vapors, spray.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Do not spray on an open flame or other ignition source

Pressurized container: Do not pierce or burn, even after use

#### Precautionary Statements - Response

If exposed or concerned: Get medical advice, attention.

Specific treatment (see first aid on this label).

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice, attention.

Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor, physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents, container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

No information available.

0 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	45-55
HEXANE	110-54-3	40-50
DIMETHYL POLYSILOXANE	63148-62-9	1-10

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

**Eye contact**

Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.

**Skin contact**

Wash off with soap and plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use.

**Inhalation**

Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

**Ingestion**

Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Protection of First-aiders**

Remove all sources of ignition.

**Most important symptoms and effects, both acute and delayed****Main Symptoms**

Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water fog.Dry chemical. Foam.Carbon dioxide (CO2). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire. Cool containers / tanks with water spray. Keep away from sources of ignition - No smoking.

**Specific hazards arising from the chemical**

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions**

**Environmental precautions** Report spills as required by local and federal regulations. Vapors can accumulate in low areas. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and material for containment and cleaning up**

**Methods for Containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

**Methods for cleaning up** Soak up with inert absorbent material. Contain liquid and collect with an inter, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

<b>Technical measures/Storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.
<b>Incompatible products</b>	Strong acids, alkalis, oxidizing agents.
<b>Aerosol Level</b>	3

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Measures** Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and body protection** Chemical resistant apron. Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	Solvent
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	-91 °C / -132 °F	Based on propellant
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit		
lower flammability limit	No information available	
Vapor pressure		
Vapor density	No information available	
Specific gravity	0.641	
Water solubility	No information available	
Partition coefficient: n-octanol/water		

Autoignition temperature	No information available	Not applicable
Hyphen		
Viscosity	No information available	
Explosive properties		

**Other information**

VOC Content(%) 95

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended storage conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong acids, alkalis, oxidizing agents.

**Hazardous decomposition products**

Carbon oxides , Hydrocarbons, Fumes.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause respiratory irritation, May cause drowsiness or dizziness.
<b>Eye contact</b>	Eye irritation may occur if excessive exposure to product occurs.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
HEXANE 110-54-3	= 25 g/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h
DIMETHYL POLYSILOXANE 63148-62-9	>10,000 mg/kg (rat)	-	-

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness and dizziness. May cause damage to organs (listed below) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
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<b>Sensitization</b>	Not a known sensitizer.
<b>Germ cell mutagenicity</b>	Not a germ cell mutagen.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
ACGIH: (American Conference of Governmental Industrial Hygienists)	
A3 - <i>Animal Carcinogen</i>	
IARC: (International Agency for Research on Cancer)	
Group 3 - <i>Not Classifiable as to Carcinogenicity in Humans</i>	
Group 2B - <i>Possibly Carcinogenic to Humans</i>	
OSHA: (Occupational Safety & Health Administration)	
X - <i>Present</i>	
<b>Reproductive toxicity</b>	Product is or contains a chemical which is a known or suspected reproductive hazard.
<b>Specific target organ systemic toxicity (single exposure)</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	May cause damage to Target Organs listed below through prolonged or repeated exposure.
<b>Chronic toxicity</b>	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
<b>Target organ effects</b>	Eyes, Skin, Respiratory System, Central Nervous System, and Peripheral Nervous System.
<b>Neurological effects</b>	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

#### Numerical measures of toxicity - Product Information

<b>Unknown acute toxicity</b>	0 % of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document</b>	
ATEmix (oral)	61141 mg/kg
ATEmix (dermal)	14121 mg/kg
ATEmix (inhalation-gas)	96971 mg/l
ATEmix (inhalation-dust/mist)	18.5 mg/l
ATEmix (inhalation-vapor)	1037.5 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
HEXANE 110-54-3	-	LC50: 2.1 - 2.98mg/L (96h, Pimephales promelas)	-	-
DIMETHYL POLYSILOXANE 63148-62-9	-	-	-	>10,000mg/L EC50 Daaphina magna 48 h

### Persistence and degradability

### Bioaccumulation

Chemical name	Partition coefficient
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
HEXANE 110-54-3	4

<b>Other adverse effects</b>	No information available
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## 13. DISPOSAL CONSIDERATIONS

**Waste treatment****Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with local regulations.

**Contaminated packaging**

Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**DOT Ground**

LIMITED QUANTITY

**IATA**

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD .QTY.

**IMDG**

UN1950, AEROSOLS, 2.1, LTD.QTY

## 15. REGULATORY INFORMATION

**International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	X	X	X	X
HEXANE	X	X	X	X	X	X	X	X
DIMETHYL POLYSILOXANE	X	X	Not listed	x	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
HEXANE - 110-54-3	110-54-3	45	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard

Yes

Chronic Health Hazard

Yes



Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
HEXANE 110-54-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical name	California Proposition 65
HEXANE - 110-54-3	Developmental Reproductive (Male)/40-50%

Note

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
HEXANE 110-54-3	X	X	X

EPA Pesticide Registration Number Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 2	Flammability 4	Instability 0	Special hazards -
<b>HMIS</b>	Health hazards 2*	Flammability 4	Physical hazards 1	Personal protection B

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Chronic Hazard Star Legend\* = *Chronic Health Hazard***Prepared By**

Regulatory Affairs

**Issuing date**

01-Mar-2019

**Revision Date**

21-Sep-2023

**Revision Note****Disclaimer**

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that the supplier believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of the supplier's control, the supplier makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

**End of Safety Data Sheet**