

# Betty's Beloved Brew

Silicone Cleaning Solvent

## Safety Data Sheet

### 1. Identification

<b>Product Name:</b>	Betty's Beloved Brew
<b>Product Number:</b>	2099-55 , 2099-5
<b>Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:</b>	
<b>Product Description</b>	Silicone cleaning solvent.
<b>Manufacturer/Supplier:</b>	PO Box 9 Tucker, GA 30085 Info@LssChemicals.com
<b>Emergency Telephone Number:</b>	800-535-5053 INFOTRAC

### 2. Hazard Identification

#### Classification of the substance or mixture:



#### GHS02 Flame

<b>Flam. Liq. 2 H225</b>	Highly flammable liquid and vapor.
<b>GHS Label Elements</b>	The product is classified and labeled according to the Globally Harmonized System (GHS).
<b>Signal Word</b>	Danger

#### Hazard Statements:

<b>H225</b>	Highly flammable liquid and vapor.
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#### Precautionary statements:

<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
<b>P233</b>	Keep container tightly closed.
<b>P240</b>	Ground/bond container and receiving equipment.
<b>P241</b>	Use explosion-proof electrical/ventilating/lighting/equipment.
<b>P242</b>	Use only non-sparking tools.
<b>P243</b>	Take precautionary measures against static discharge.
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>P303+P361+P353</b>	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.  
43 % of the mixture consists of component(s) of unknown toxicity.

**Classification System:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	3
REACTIVITY	0

**Hazard(s) not otherwise classified (HNOC):** None known

## 3. Composition/Information on Ingredients

### Non-Hazardous Components

**163702-08-7** 3M™ Novec™ 7100 hydrofluoroether Proprietary%

**Chemical Characterization:** Mixtures

**Description:** Mixture: consisting of the following components.

### Dangerous Components:

**CAS: 107-46-0** Hexamethyldisiloxane Proprietary%  
**RTECS: JM 9237000**

**Additional information:** The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

## 4. First-Aid Measures

**General Information:** Take affected persons out into the fresh air.

**After Inhalation:** Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

**After Skin Contact:** Wash with soap and water.

**After Eye Contact:** Rinse opened eye for several minutes under running water.

**After Swallowing:** If swallowed and symptoms occur, consult a doctor.

### Information For Doctor:

**Most Important Symptoms and Effects, Both Acute and Delayed:** No further relevant information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:** No further relevant information available.

## 5. Fire-Fighting Measures

<b>Suitable Extinguishing Agents:</b>	CO <sub>2</sub> extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>For Safety Reasons Unsuitable Extinguishing Agents:</b>	No further relevant information.
<b>Special Hazards Arising from the Substance or Mixture:</b>	Carbon oxides, silicon oxides
<b>Advice for Firefighters:</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Protective Equipment:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6. Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Remove all sources from ignition. Beware of vapours accumulating to form explosive concentrations. Vapors can accumulate in low areas.
<b>Environmental Precautions:</b>	Prevent seepage into sewage system, workpits and cellars.
<b>Methods and Material for Containment and Cleaning Up:</b>	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations
<b>Reference to Other Sections:</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## 7. Handling and Storage

<b>Precautions for Safe Handling:</b>	Avoid contact with skin, eyes and clothing Ensure good ventilation/exhaustion at the workplace. Avoid inhalation of vapor or mist. Take measures to prevent the build up of electrostatic charge.
<b>Information about Protection Against Explosions and Fires:</b>	Do not spray on a naked flame or any incandescent material.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<b>Storage</b>	
<b>Requirements to be met by storerooms and receptacles:</b>	No special requirements.
<b>Information about storage in one common storage facility:</b>	None.
<b>Further information about storage conditions:</b>	None.
<b>Specific end use(s):</b>	No further relevant information available.

## 8. Exposure Controls/Personal Protection

### Additional Information About Design of Technical Systems:

No further data; see section 7.

### Control Parameters:

#### Components with Occupational Exposure Limits:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

#### 163702-08-7 3M™ Novec™ 7100 hydrofluoroether

TWA 750 ppm (AIHA)

### Additional Information:

The lists that were valid during the creation of this SDS were used as basis.

### Exposure Controls:

#### Personal Protective Equipment:

##### General Protective and Hygienic Measures:

The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and at the end of work.

##### Breathing Equipment:

Not necessary if room is well-ventilated.

##### Protection of Hands:



Protective gloves

##### Material of Gloves:

Solvent-Resistant Material

##### Penetration Time of Glove Material:

Not applicable.

##### Eye Protection:



Safety glasses with side shields.

##### Body Protection:



Use protective suit.

Impervious clothing, flame retardant antistatic protective clothing.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Weak, characteristic
<b>Odor Threshold:</b>	N/A
<b>Change in Condition</b>	
<b>Boiling Point/Boiling Range:</b>	57 °C (134.6 °F)
<b>Flash Point:</b>	8 °C (46.4 °F) (Closed Cup)
<b>Decomposition Temperature:</b>	not applicable
<b>Auto Igniting:</b>	Product is not self-igniting.
<b>Danger of Explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	5 Vol %
<b>Upper:</b>	not determined
<b>Density @ 20 °C (68 °F):</b>	1.04 g/cm <sup>3</sup> (8.679 lbs/gal)
<b>Solubility in / Miscibility with: Water:</b>	Not miscible or difficult to mix.
<b>Viscosity:</b>	
<b>Dynamic @ 20 °C (68 °F):</b>	0.6 mPas
<b>Other information:</b>	No further relevant information available.

## 10. Stability and Reactivity

<b>Reactivity:</b>	No further relevant information available.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Thermal Decomposition / Conditions to be Avoided:</b>	No decomposition if used according to specifications.
<b>Possibility of Hazardous Reactions:</b>	Hazardous depolymerization will not occur.
<b>Conditions to Avoid:</b>	Heat, flame, and sparks.
<b>Incompatible Materials:</b>	Strong acids, Strong bases, Strong oxidizing agents

## 11. Toxicological Information

**Information on toxicological effects:** The toxicity of this product is unknown.

### Acute Toxicity:

**LD/LC50 Values that are Relevant for Classification:** No data available.

### Primary Irritant Effect:

**On the Skin:** No irritating effect.

**On the Eye:** No irritating effect.

### Additional Toxicological Information:

#### Carcinogenic Categories:

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

**NTP (National Toxicology Program):** None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients are listed.

## 12. Ecological Information

**Toxicity:** The hazards for the aquatic environment are unknown.

**Aquatic Toxicity:** Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**Persistence and Degradability:** No further relevant information available.

### Behavior in Environmental Systems:

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

### Additional Ecological Information:

**General Notes:** Generally not hazardous for water.

### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other Adverse Effects:** No further relevant information available.

## 13. Disposal Considerations




### Waste Treatment Methods:

**Recommendation:** Contact manufacturer for recycling information. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### Uncleaned Packagings

**Recommendation:** Disposal must be made according to official regulations.

# 14. Transport Information

<b>UN-Number:</b>		
DOT, ADR/ADN, IMDG, IATA		UN1993
<b>UN Proper Shipping Name:</b>		
DOT,		Flammable liquids, n.o.s.
ADR/ADN		UN1993 Flammable liquids, n.o.s.
IMDG, IATA		FLAMMABLE LIQUID, N.O.S.
<b>Transport Hazard Class(es):</b>		
DOT		
Class:	3 Flammable liquids	
Label:	3	
ADR/ADN		
Class:	3 (F1) Flammable liquids	
Label:	3	
IMDG, IATA		
Class:	3 Flammable liquids	
Label:	3	
<b>Packing Group:</b>		
DOT, ADR/ADN, IMDG, IATA		II
Environmental Hazards:	Not applicable.	
Special Precautions for User:	Warning: Flammable liquids	
Danger code (Kemler):	33	
EMS Number:	F-E,S-E	
Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.	
<b>Transport/Additional information:</b>		
ADR/ADN		
Excepted Quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml	
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, II	

## 15. Regulatory Information

### SARA (Superfund Amendments and Reauthorization):

<b>Section 355 (Extremely Hazardous Substances):</b>	None of the ingredients are listed.
<b>Section 313 (Specific Toxic Chemical Listings):</b>	None of the ingredients are listed.
<b>TSCA (Toxic Substances Control Act):</b>	All ingredients are listed or exempt from listing.

### California Proposition 65:

<b>Chemicals Known to Cause Cancer:</b>	None of the ingredients are listed.
<b>Chemicals Known to Cause Reproductive Toxicity for Females:</b>	None of the ingredients are listed.
<b>Chemicals Known to Cause Reproductive Toxicity for Males:</b>	None of the ingredients are listed.
<b>Chemicals Known to Cause Developmental Toxicity:</b>	None of the ingredients are listed.

### Carcinogenic Categories:

<b>EPA (Environmental Protection Agency):</b>	None of the ingredients are listed.
<b>TLV (Threshold Limit Value established by ACGIH):</b>	None of the ingredients are listed.
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	None of the ingredients are listed.
<b>GHS Label Elements</b>	The product is classified and labeled according to the Globally Harmonized System (GHS).

### Hazard pictograms:



**Signal Word:** Danger

### Hazard Statements:

**H225** Highly flammable liquid and vapor.

### Precautionary Statements:

<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
<b>P233</b>	Keep container tightly closed.
<b>P240</b>	Ground/bond container and receiving equipment.
<b>P241</b>	Use explosion-proof electrical/ventilating/lighting/equipment.
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<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>P303+P361+P353</b>	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>P370+P378</b>	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
<b>P403+P235</b>	Store in a well-ventilated place. Keep cool.
<b>P501</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

**National Regulations:** None of the ingredients are listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



## 16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of Preparation / Last Revision: 03/2/2022 | 1**

### Abbreviations and Acronyms:

<b>ADR:</b>	The European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN:</b>	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>DOT:</b>	US Department of Transportation
<b>IATA:</b>	International Air Transport Association
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS:</b>	European List of Notified Chemical Substances
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>NFPA:</b>	National Fire Protection Association (USA)
<b>HMIS:</b>	Hazardous Materials Identification System (USA)
<b>VOC:</b>	Volatile Organic Compounds (USA, EU)
<b>LC50:</b>	Lethal concentration, 50 percent
<b>LD50:</b>	Lethal dose, 50 percent
<b>PBT:</b>	Persistent, Bioaccumulative and Toxic
<b>vPvB:</b>	very Persistent and very Bioaccumulative
<b>NIOSH:</b>	National Institute for Occupational Safety and Health
<b>OSHA:</b>	Occupational Safety & Health Administration
<b>TLV:</b>	Threshold Limit Value
<b>PEL:</b>	Permissible Exposure Limit
<b>REL:</b>	Recommended Exposure Limit
<b>Flam. Liq. 2:</b>	Flammable liquids – Category 2

**\* Data Compared to the Previous Version Altered.**