



## C.O.S.H.H Data Sheet

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The information contained within this data sheet has been supplied by the product manufacturer

### 1. Identification of the Substance

Trade Name: FloPlast Silicon - Spray  
FloPlast Ltd Product Codes: SL400

### 2. Chemical Composition

#### Hazard Identification

- **Extremely flammable.**
- **Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**
- **Classification:** F+; R12. R52/53
- **Environmental:**  
The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
- **Physical and Chemical Hazards;**  
Pressurised container: must not be exposed for temperatures above 50 °C. The product is extremely flammable and explosive vapour / air mixtures may be formed even at room temperature.
- **Human Health:**  
In high concentrations, vapours and spray mists are narcotic and may cause headaches, fatigue, dizziness and nausea.

### 3. Chemical / Information on Ingredients

- **Chemical characterization**
- **Description:** Silicon Spray
- **Dangerous components:**

Ingredients	EC No	CAS No.	Content	Classification
Aliphatic Hydrocarbon	265-151-9	64742-49-0	10-30%	Xn; R36. Xi; R38. F; R11 N; R51/53. R67
Butane / Isobutane		106-97-8	30-60%	F+; R12
Propane	200-827-9	74-98-6	30-60%	F+; R12

### 4. First Aid Measures

- **General Information:** Move the exposed person to fresh air at once.
- **After Inhalation:** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
- **After Ingestion:** Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.
- **After Skin Contact:** Wash skin with soap and water. Get medical help if any discomfort continues.
- **After Eye Contact:** Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eye before rinsing. Get medical attention promptly if symptoms occur after washing.

## 5. Fire Fighting Measures

- **Suitable Extinguishing Agents:**  
Water spray  
Foam  
Dry powder  
Carbon Dioxide
- **Unsuitable extinguisher media:**  
Water with full jets
- **Special Fire Fighting Procedures:**  
Use water spray to reduce vapours.  
Aerosols cans may explode in a fire.  
Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.
- **Specific Hazard:**  
Pressurised container.  
Must not be exposed for temperatures above 50 °C.

## 6. Measures By Accidental Release (Leaks/Spillage)

- **Personal Precaution:** Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
- **Environmental Precautions:** Avoid discharge into drains.
- **Cleaning and Collecting:** Extinguish all ignition sources.  
Avoid sparks, flames, heat and smoking.  
Ventilate.  
Absorb in vermiculite, dry sand or earth and place into containers.  
Do not allow to run off to sewer.

## 7. Handling and Storage

- **Handling:**
- **Usage Precautions**  
Keep away from heat, sparks and open flame.  
Read and follow manufacturer's recommendations.  
Avoid inhalation of vapours and spray mists.  
Do not spray on a naked flame or any incandescent material.  
When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.
- **Storage:**  
Extremely flammable.  
Store at moderate temperatures in dry, well ventilated area.  
Keep away from heat sparks, sparks and open flame.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C.  
Do not pierce or burn, even after use.

## 8. Exposure Control / Personal Protection

- **Additional information about design of technical facilities:**  
No further data; see item 7
- **Ingredients with limit values that require monitoring at the workplace:**  
  
**106 – 97 – 8 Butane / Isobutane**  
WEL Short – Term value: 750ppm  
Long – Term value: 600ppm
- **Respiratory Equipment:**  
No specific recommendations made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limits. In case of inadequate ventilation use suitable respirator.
- **Hand Protection:**  
For prolonged or repeated skin contact use suitable protective gloves.
- **Eye Protection:**  
Wear approved chemical safety goggles where eye exposure is reasonably probable.
- **Hygiene Measures:**  
When using, do not eat, drink or smoke.  
Wash promptly if skin becomes wet or contaminated.

## 9. Physical and Chemical Properties

- **General Information**
- **Appearance:** Aerosol
- **Colour:** Varying
- **Odour:** of Solvents
- **Physical Data Comments:** Information given concerns the major ingredient. 23 Flammable Gas <
- **Flash Point (°C):** < -40°C
- **Auto Ignition Temperature (°C)** 410 – 580°C
- **Flammability Limit – Lower** 1.8%
- **Flammability Limit – Lower** 9.5%

## 10. Stability and Reactivity

- **Stability:** Highly volatile
- **Conditions to Avoid:**  
Avoid heat, flames and other sources of ignition.  
Avoid exposure to high temperatures or direct sunlight.

## 11. Toxicology Information

- **Acute Toxicity:**
- **Primary Irritant Effect:**
- **On Skin:** Irritating to skin. Prolonged and frequent contact may cause and irritation.
- **Eye Contact:** Spray and vapour in the eyes may cause irritation and smarting.
- **Health Warnings:** In high concentrations, vapours are narcotic any may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heartbeat).
- **Route of Entry:** Inhalation. Skin absorption.
- **Target Organs:** Central nervous system. Respiratory system, lungs.
- **Medical Symptoms:** Narcotic effect. Vapours may cause drowsiness and dizziness.

## 12. Ecological Information

- **Additional ecological information:**
- **Ecotoxicity:**  
The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.  
Dangerous for the environment if discharged into watercourses. Do not allow to enter drains, sewers or watercourses.

## 13. Waste Disposal

- **Disposal Consideration:**
- **Disposal considerations:**  
Make sure containers are empty before discarding (explosion risk).  
Do not puncture or incinerate even when empty.  
Dispose of waste residues in accordance with local authority requirements.

## 14. Transport

- **Shipping Name:** Aerosol, (UN1950)
- **Land Transport:**
- **UK Road Class:** 2, 5F
- **Proper Shipping Name:** Aerosols
- **UN No. Road:** 1950
- **ADR Class No.:** 2, 5F
- **ADR Pack Group:**
- **CEVIC TEC (R) No.:** 20G5F
- **RID Pack Group:**
- **IMDG Class:** 2
- **MFAG;** See Guide
- **Air Transport:**
- **UN No. Air:** 1950
- **Air Class;** 2
- **Air Sub Class:** 2.1
- **Air Pack Gr:**
- **ADR Class:** Class 2: Gases
- **ADR Label No:** 2.1
- **RID Class No:** 2, 5F
- **Maritime Transport:**
- **UN No.:** 1950
- **IMDG Page No.** 2102
- **EMS:** F-D, S-U
- **Marine Pollutant:** No

## 15. Regulatory Information

- **Label elements:**
- **Labelling according to Regulations (EC) No 1272/2008 and EU Guidelines**
- **Hazard pictograms**



F Extremely Flammable



GHS02 H224

- **Contains:** ALIPHATIC HYDROCARBONS
- **Risk Phrases:**
  - R12 Extremely Flammable
  - R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
- **Safety Phrases:**
  - S9 Keep container in well-ventilated place.
  - S16 Keep away from sources of ignition.
  - S51 Use only in well-ventilated areas.
  - S60 This material and its container must be disposed of as hazardous waste.
- **UK Regulatory:**
  - Health and Safety at Work Act 1974
  - Chemical (Hazard Information & Packaging) Regulations.
  - The Control of Substances Hazardous to Health Regulations 1988.
- **EU Directives:**
  - Dangerous Preparations Directive 1999/45/EC
- **Statutory Instruments:**
  - Control of Substances Hazardous to Health
- **Approved Code of Practice:**
  - Safety Data Sheets for Substances and Preparations. Classified and Labelling of Substances and Preparations
  - Dangerous for Supply.

## 16. Other Information

The details contained herein are based upon the manufacturer's present state of knowledge and experience and are to characterise the product with regard to any possible safety requirements. We do however; pass them on as does the manufacturer without any warranty or property assurances.

It is your duty to secure that any person handling or using this product is provided with the information on this data sheet, even if the material has been purchased to supply to a third party for use at work.

It is an employers duty to tell their employees and others who may be affected, of any hazards described in this Safety Data Sheet and of any precautions, which should be taken.

Text for R-phrases shown in section 2 describing each ingredient:

R11	Highly flammable
R12	Extremely flammable
R38	Irritating to skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: May cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness

- **Department issuing MSDS:** FloPlast Quality Assurance Department
- **Contact:** Neil Harrison
- **Data compared to the previous version altered.**