

SAFETY DATA SHEET SILICON LUBRICANT SPRAY SL400

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME SILICON SPRAY LUBRICANT
PRODUCT No. SL400

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

APPLICATION OF THE SUBSTANCE / PREPERATION LUBRICANT

1.3 DETAILS OF THE SUPPLIER

SUPPLIER	FloPlast LTD CASTLE ROAD EUROLINK BUSINESS PARK SITTINGBOURNE KENT ME10 3FP 01795 431731 technical@floplast.co.uk	MANUFACTURED FOR FloPlast LIMITED BY:	SIROFLEX Ltd DODWORTH BUSINESS PARK DODWORTH BARNSELY SOUTH YORKSHIRE S75 3SP 01226 771600
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SECTION 2: HAZARD IDENTIFICATION

CLASIFICATION OF SUBSTANCES

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.1 CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC or DIRECTIVE 1999/45/EC

Classification F+;R12. R52/53.



F+ Extremely Flammable

Risk Phrases

R12	Extremely flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

Information concerning particular hazards for human and environment:

Environment

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 normal room temperatures.

Human Health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

2.2 LABEL ELEMENTS

Extremely Flammable

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 a well-ventilated place.
 S16 Keep away from sources of ignition. - NO SMOKING.
 S51 Use only in well-ventilated areas.
 S60 This material and its contents must be disposed of as hazardous waste.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

ALIPHATIC HYDROCARBON	10 – 30%
CAS-No 64742-49-0	EC No.: 265-151-9
Classification (67/548/EEC) Xn R5 Xi R38 F R11 N R51/53 R67	
BUTANE/ISOBUTANE	30 – 60%
CAS No.: 106-97-8	EC No.:
Classification (67/548/EEC) F ⁺ R12	
PROPANE	30 – 60%
CAS No.: 200-827-9	EC No.: 203-726-8
Classification (67/548/EEC) F ⁺ R12	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES**

General Informational: 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 attention 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 eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

4.2 INFORMATION FOR DOCTOR:**4.2.1 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

4.2.2 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

5.3 UNUSUAL FIR & EXPLOSIN HAZARDS

Extremely flammable.

Forms explosive mixtures with air.

May explode in a fire.

Vapours are heavier than air and may spread near ground to sources of ignition.

5.4 SPECIFIC HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECUATIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Extinguish all ignition sources.

Avoid sparks, flames, heat and smoking. Ventilate.

Absorb in vermiculite, dry sand or earth and place into containers.

Provide ventilation and confine spill. Do not allow to run off to sewer.

6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS OF SAFE HANDLING

Keep away from heat, sparks and open flame.

Read and follow manufacturers 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.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPTABILITIES

Extremely flammable.

Store at moderate temperatures in dry, well ventilated area.

Keep away from heat, 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.

7.3 SPECIFIC END USE(S)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Name	STD	TWA – 8 Hrs		STEL – 15 Min	
Butane/ Isobutane	WEL	600ppm (Sk)		750ppm (Sk)	

WEL = Workplace Exposure Limit

8.2 PROTECTIVE EQUIPMENT

8.2.1 General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin

8.2.2 Respiratory protection:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

In case of inadequate ventilation use suitable respirator.

8.2.3 Protection of hands:



Protective gloves

For prolonged or repeated skin contact use suitable protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

8.2.4 Eye protection:



Tightly sealed goggles

Wear approved chemical safety goggles where eye exposure is reasonably probable.

8.2.5 Hygiene Measures:

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES****9.1.1 Appearance:**

Form: Aerosol
Colour: Varying
Odour: of Solvents

Physical Data Comments: Information given concerns the major ingredient. 23 Flammable gas.

Flash Point (°C): < -40°C
Ignition temperature: 410 – 580°C
Flammability Limit – Lower (%) 1.8%
Flammability Limit – Lower (%) 9.5%

9.2 OTHER INFORMATION

None available.

SECTION 10: STABILITY AND REACTIVITY**10.1 REACTIVITY****10.2 CHEMICAL STABILITY**

Highly volatile.

10.3 THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED

No further relevant information available.

10.4 POSSIBILITY OF HAZARDOUS REACTIONS

No further relevant information available.

10.5 CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.
Avoid exposure to high temperatures or direct sunlight.

10.6 INCOMPATIBLE MATERIALS

No further relevant information available.

10.7 HAZARDOUS DECOMPOSITION PRODUCTS

No further relevant information available.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 ACUTE TOXICITY****11.2 PRIMARY IRRITANT EFFECT****11.2.1 on the skin:**

Irritating to skin.
Prolonged and frequent contact may cause redness and irritation.

11.2.2 on the eye:

Spray and vapour in the eyes may cause irritation and smarting.

11.3 HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Arrhythmia, (deviation from normal heartbeat).

11.4 ROUTE OF ENTRY

Inhalation.
Skin absorption.

11.5 TARGET ORGANS

Central nervous system.
Respiratory system, lungs.

11.6 MEDICAL SYMPTOMS

Narcotic effect.
Vapours may cause drowsiness and dizziness.

SECTION 12: ECOLOGICAL INFORMATION

12.1 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.

12.2 ACQUATIC TOXICITY

12.3 PERSISTENCE AND DEGRADABILITY

12.4 BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

12.5 BIOACCUMULATIVE POTENTIAL

12.6 MOBILITY IN SOIL

12.7 ADDITIONAL ECOLOGICAL INFORMATIONS

12.8. GENERAL NOTES

12.9 RESULTS OF PBT and vPvB ASSESSMENT

12.10 OTHER ADVERSE EFFECTS

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

13.1.1 Recommendations

Must not be disposed together with household garbage.

Make sure containers are empty before discarding (explosion risk).

Do not puncture or incinerate even when empty.

Dispose of waste and residues in accordance with local authority requirements.

13.2 UNCLEARED PACKAGING

13.2.1 Recommendation

Disposal must be made according to official regulations.

Packaging that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: TRANSPORT INFORMATION

14.1 SHIPPING NAME

Aerosol

14.2 LAND TRANSPORT

14.2.1 UK Road Class

2, 5F

14.2.2 UN No. Road

1950

14.2.3 ADR Class No.

2, 5F

14.2.4 ADR Pack Group

14.2.5 CEFIC TEC (R) No.

20G5F

14.2.6 RID Pack Group

14.2.7 IMDG Class

2

14.2.8 MFAF

See Guide

14.3 AIR TRANSPORT**14.3.1 UN No. Air**

1950

14.3.2 Air Class

2

14.3.3 Air Sub Class

2.1

14.3.4 Air Pack Group**14.3.5 ADR Class**

Class 2: Gases

14.3.6 ADR Label No.

2.1

14.3.7 RID Class No.

2, 5F

14.4 MARTIME TIME TRANSPORT**14.4.1 UN No.**

1950

14.4.2 IMDG Page No.

2102

14.4.3 EM

F-D, S-U

14.4.4 Marine Pollutant

No

SECTION 15: REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****15.2 LABELLING ACCORDING TO EU REGULATIONS**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.



Extremely flammable

15.3 CODE LETTER AND HAZARD DESIGNATION OF PRODUCT

F+ Extremely flammable.

R12 Extremely Flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

15.4 RISK PHRASES

R12 Extremely Flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

15.5 SAFETY PHRASES

S9 Keep container in a well-ventilated place

S16 Keep away from sources of ignition - No smoking

S51 Use only in well-ventilated areas

S60 This material and its container must be disposed of as hazardous waste

15.6 UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

15.7 EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

15.8 STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

15.9 APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

Classification and Labelling of Substances and Preparations Dangerous for Supply.

SECTION 16: OTHER INFORMATION

This product should be used as directed by SIROFLEX Ltd. For further information consult the product data sheet or contact FloPlast's Technical Department.

The safety data sheet has been compiled using current information supplied by SIROFLEX Ltd. and the distributors of their raw materials.

Issued By	Neil Harrison
Department	Quality/Environmental/Health and Safety
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Revision	2

Risk Phrases in Full

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