

**SAFETY DATA SHEET**  
**Silicone Spray****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME:400ML SILICONE SPRAY

APPLICATIONS:Lubricant Aerosol

SUPPLIER:Draper Tools Ltd  
Hursley Road  
Chandlers Ford  
Eastleigh  
Hampshire  
SO53 1YF  
Draper Helpline +44 (0) 2380 494344

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

| Name  | EC No.    | CAS-No.  | Content | Classification                                    |
|---|-----------|----------|---------|---|
| BUTANE  | 203-448-7 | 106-97-8 | 30-60%  | F+;R12  |
| CYCLOPENTANE  | 206-016-6 | 287-92-3 | 1-5%    | F;R11 R52/53                                      |
| HEPTANE   | 205-563-8 | 142-82-5 | 10-30%  | F;R11 Xn;R65 Xi;R38 R67 N;R50/53                  |
| HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)) |           |          | 5-10%   | F;R11 Xn;R65 Xi;R38 R67 N;R51/53                  |
| HEXANE-norm   | 203-777-6 | 110-54-3 | < 1     | F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53 |
| ISOBUTANE   | 200-857-2 | 75-28-5  | 10-30%  | F+;R12  |
| METHYLCYCLOHEXANE                                       | 203-624-3 | 108-87-2 | 1-5%    | F;R11 Xn;R65 Xi;R38 R67 N;R51/53                  |
| PENTANE   | 203-692-4 | 109-66-0 | < 1     | F+;R12 Xn;R65 R66 R67 N;R51/53                    |

The Full Text for all R-Phrases are Displayed in Section 16

**3 HAZARDS IDENTIFICATION**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness. Extremely flammable. Irritating to skin.

CLASSIFICATION Xi;R38. F+;R12. N;R51/53. R67.

**ENVIRONMENT**

This product contains substances which are very toxic or toxic to aquatic organisms and may cause long term effects to the aquatic environment (see sections 2 and 12)

**PHYSICAL AND CHEMICAL HAZARDS**

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

**HUMAN HEALTH**

Gas or vapour is harmful on prolonged exposure or in high concentration. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**4 FIRST-AID MEASURES****GENERAL INFORMATION**

Move the exposed person to fresh air at once.

**INHALATION**

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION**

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention.

**SKIN CONTACT**

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES**

## Silicone Spray

### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog.

### SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May travel considerable distance to source of ignition and flash back. Aerosol cans may explode in a fire.

### SPECIFIC HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray.

### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Let evaporate. Keep out of confined spaces because of explosion risk.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray near a naked flame or any incandescent material.

### STORAGE PRECAUTIONS

Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name  | Std | LT - ppm | LT - mg/m3 | ST - ppm | ST - mg/m3 |
|---|-----|----------|------------|----------|------------|
| BUTANE  | WEL | 600 ppm  |            | 750 ppm  |            |
| PENTANE   | WEL | 750 ppm  |            | 600 ppm  |            |
| HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)) |     | No std.  |            | No std.  |            |
| HEPTANE   | WEL | 500 ppm  |            |          |            |
| METHYLCYCLOHEXANE                                       | WEL | 500 ppm  |            | 400 ppm  |            |
| CYCLOPENTANE  |     | No std.  |            | No std.  |            |
| HEXANE-norm   | WEL | 20 ppm   |            |          |            |
| ISOBUTANE   | WEL | 800 ppm  |            | No std.  |            |

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of spray.

### RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

### HAND PROTECTION

Due to the packaging form, aerosol, risk of skin contact is small. Use suitable protective gloves if risk of skin contact. Gloves of nitrile rubber, PVA or Viton are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

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

### HYGIENE MEASURES

Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.

### PERSONAL PROTECTION

When using do not smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

## Silicone Spray

|                               |  |                                 |         |
|-------------------------------|--|---------------------------------|---------|
| APPEARANCE                    | Aerosol  |                                 |         |
| ODOUR                         | Organic solvents.                                |                                 |         |
| PHYSICAL DATA COMMENTS        | Information given concerns the major ingredient. |                                 |         |
| FLASH POINT (°C)              | <-40 °C  | AUTO IGNITION TEMPERATURE (° C) | 410-580 |
| FLAMMABILITY LIMIT - LOWER(%) | 1.8  | FLAMMABILITY LIMIT - UPPER(%)   | 9.5     |

### 10 STABILITY AND REACTIVITY

#### STABILITY

Avoid: Heat, sparks, flames.

#### CONDITIONS TO AVOID

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

### 11 TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

#### INHALATION

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

#### SKIN CONTACT

Irritating to skin.

#### EYE CONTACT

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

#### HEALTH WARNINGS

Arrhythmia, (deviation from normal heart beat). Irritating to skin.

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### ROUTE OF ENTRY

Inhalation.

#### TARGET ORGANS

Central nervous system. Respiratory system, lungs.

#### MEDICAL SYMPTOMS

Skin irritation. Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

This product has not been tested but contains ingredients which are toxic or very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

### 13 DISPOSAL CONSIDERATIONS

#### GENERAL INFORMATION

Do not puncture or incinerate even when empty.

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard.

### 14 TRANSPORT INFORMATION

#### GENERAL

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities.  
Aerosols not so packed and labelled must show the following.

## Silicone Spray



|                      |                |                  |                             |
|----------------------|----------------|------------------|-----------------------------|
| UK ROAD CLASS        | 2              |                  |                             |
| PROPER SHIPPING NAME | AEROSOLS       |                  |                             |
| UN NO. ROAD          | 1950           | UK ROAD PACK GR. | Not applicable              |
| ADR CLASS NO.        | 2, 5F          | ADR CLASS        | Class 2.1: Flammable gases. |
| ADR PACK GROUP       | Not Applicable | HAZARD NO. (ADR) | 23 Flammable gas.           |
| ADR LABEL NO.        | 3              | CEFIC TEC(R) NO. | 20G53                       |
| RID CLASS NO.        | 2              | RID PACK GROUP   | Not Applicable              |
| UN NO. SEA           | 1950           | IMDG CLASS       | 2.1                         |
| IMDG PAGE NO.        | 2102           | IMDG PACK GR.    | Not Applicable              |
| EMS                  | 2-13           | UN NO. AIR       | 1950                        |
| ICAO CLASS           | 2.1            | AIR PACK GR.     | Not Applicable              |

## 15 REGULATORY INFORMATION

## LABELLING



Extremely Flammable



Dangerous for the environment



Irritant

## RISK PHRASES

|        |   |
|--------|---|
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67    | Vapours may cause drowsiness and dizziness.   |
| R12    | Extremely flammable.  |
| R38    | Irritating to skin.   |

## SAFETY PHRASES

|        |  |
|--------|--|
| S2     | Keep out of the reach of children  |
| S16    | Keep away from sources of ignition - No smoking.   |
| S23    | Do not breathe vapour/spray.   |
| S24    | Avoid contact with skin.   |
| S29/56 | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S51    | Use only in well-ventilated areas.   |

## UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

## EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations. 2001/58/EEC.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health. The Aerosol Dispensers Regulations 1977 & 1999

## APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

## 16 OTHER INFORMATION

SDS NO. 10829

## SAFETY DATA SHEET STATUS

Approved.

## Silicone Spray

DATE 27.04.2005

### RISK PHRASES IN FULL

|        |  |
|--------|--|
| R11    | Highly flammable.  |
| R12    | Extremely flammable.   |
| R38    | Irritating to skin.  |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation.            |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.    |
| R62    | Possible risk of impaired fertility.   |
| R65    | Harmful: may cause lung damage if swallowed.   |
| R66    | Repeated exposure may cause skin dryness or cracking.  |
| R67    | Vapours may cause drowsiness and dizziness.  |

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.