

## SAFETY DATA SHEET

### Stuk Silicone Lube PTFE

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

PRODUCT NAME                    Stuk Silicone Lube PTFE  
 PRODUCT NO.                    SA1674  
 SUPPLIER                        STUK Ltd  
    3 Empire Way  
    Gloucester  
    GL2 5HY  
    01452 505 712  
    01452 303 700

#### 2 HAZARDS IDENTIFICATION

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

CLASSIFICATION (1999/45)        Xi;R38. F+;R12. N;R50/53. R67.

##### ENVIRONMENT

The product contains a substance which is very 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 to 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 aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name             | EC No.    | CAS-No.  | Content % | Classification (67/548/EEC)      |
|------------------|-----------|----------|-----------|----------------------------------|
| BUTANE/ISOBUTANE |           | 106-97-8 | 10-30%    | F+;R12.                          |
| HEPTANE          | 205-563-8 | 142-82-5 | 30-60%    | F;R11 Xn;R65 Xi;R38 R67 N;R50/53 |
| PROPANE          | 200-827-9 | 74-98-6  | 30-60%    | F+;R12                           |

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

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

Move the exposed person to fresh air at once.

##### 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.

##### INGESTION

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.

##### SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

##### 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.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

**Stuk Silicone Lube PTFE****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.

**UNUSUAL FIRE & EXPLOSION 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.

**SPECIFIC HAZARDS**

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

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

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

**ENVIRONMENTAL PRECAUTIONS**

Avoid discharge into drains.

**SPILL CLEAN UP METHODS**

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 runoff to sewer.

**7 HANDLING AND STORAGE****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 PRECAUTIONS**

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurized 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 | TWA - 8 Hrs |  | STEL - 15 Min |  | Notes |
|------------------|-----|-------------|--|---------------|--|-------|
| BUTANE/ISOBUTANE | WEL | 600 ppm     |  | 750 ppm       |  |       |
| HEPTANE          | WEL | 500 ppm     |  |               |  |       |

WEL = Workplace Exposure Limit.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. 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**

|                                |  |
|--------------------------------|--|
| 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  |

**Stuk Silicone Lube PTFE**

FLAMMABILITY LIMIT - LOWER(%) 1.8%

FLAMMABILITY LIMIT - UPPER(%) 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 TOXICOLOGICAL INFORMATION****SKIN CONTACT**

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

**EYE CONTACT**

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

**HEALTH WARNINGS**

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

**ROUTE OF ENTRY**

Inhalation. Skin absorption.

**TARGET ORGANS**

Central nervous system Respiratory system, lungs

**MEDICAL SYMPTOMS**

Narcotic effect. Vapours may cause drowsiness and dizziness.

HEPTANE (CAS: 142-82-5)

TOXIC DOSE 1 - LD 50

500ppm

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. The product contains a substance which is very 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 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

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.

**14 TRANSPORT INFORMATION**

PROPER SHIPPING NAME AEROSOLS

ENVIRONMENTALLY HAZARDOUS No.

SUBSTANCE/MARINE POLLUTANT

UN NO. ROAD 1950

ADR CLASS NO. 2, 5F

**Stuk Silicone Lube PTFE**

|                |                |
|----------------|----------------|
| ADR CLASS      | Class 2: Gases |
| ADR PACK GROUP | #              |
| ADR LABEL NO.  | 2.1            |
| UN NO. SEA     | 1950           |
| IMDG CLASS     | 2              |
| IMDG PACK GR.  | #              |
| EMS            | F-D, S-U       |
| UN NO. AIR     | 1950           |
| AIR CLASS      | 2              |
| AIR SUB CLASS  | 2.1            |
| AIR PACK GR.   | #              |

**15 REGULATORY INFORMATION**

## LABELLING



Irritant



Extremely flammable



Dangerous for the environment

## RISK PHRASES

|        |  |
|--------|--|
| R12    | Extremely flammable.   |
| R38    | Irritating to skin.  |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67    | Vapours may cause drowsiness and dizziness.  |

## SAFETY PHRASES

|     |   |
|-----|---|
| S9  | Keep container in a well-ventilated place.  |
| S16 | Keep away from sources of ignition - No smoking.                                    |
| S23 | Do not breathe vapour/spray.  |
| S24 | Avoid contact with skin.  |
| S37 | Wear suitable gloves.   |
| S38 | In case of insufficient ventilation, wear suitable respiratory equipment.           |
| S57 | Use appropriate containment to avoid environmental contamination.                   |
| S60 | This material and its container must be disposed of as hazardous waste.             |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

## UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

## 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. Classification and Labelling of Substances and Preparations Dangerous for Supply.

**16 OTHER INFORMATION**

DATE 14 September 2011

**Stuk Silicone Lube PTFE**

## RISK PHRASES IN FULL

|        |  |
|--------|--|
| R12    | Extremely flammable.   |
| R65    | Harmful: may cause lung damage if swallowed.   |
| R11    | Highly flammable   |
| R38    | Irritating to skin.  |
| R67    | Vapours may cause drowsiness and dizziness.  |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

## 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.