

Section 1: Identification of the substance/mixture & of the company / undertaking**1.1 Product identifier****SS400**

Product Name

Silicone spray.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

PC24 Lubricants, greases, release products.

1.3 Details of the supplier of the safety data sheet

Supplier

Specialised Wiring Accessories Ltd
Abbey Mills
Charfield Road
Kingswood
Wotton-Under-Edge
Gloucestershire GL12 8RL

Tel: +44 (0) 01453 844 333 (Monday to Friday 8am to 5.30pm)

Fax: +44 (0) 01453 842 224

E-mail: sales@swaonline.co.uk

Section 2: Hazard identification**2.1 Classification of the substance or mixture****Classification (EC1272/2008)****Physical hazards** Aerosol 1 - H222, H229**Health hazards** Skin Irrit. 2 - H315**Environmental hazards** Aquatic chronic 3 - H412**Human health**

Gas or vapour is harmful on prolonged exposure or 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.

Environmental

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects to the aquatic environment.

Physicochemical

Aerosol containers can explode when heated, due to pressure build-up. The product is extremely flammable. When sprayed on naked flame or incandescent material the vapours can be ignited.

2.2 Label elements**Pictogram****Signal Word**

Danger

Hazard statements

- H222 Extremely flammable aerosol.
- H229 Pressurised container; may burst if heated.
- H315 Causes skin irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
- P102 Keep out of reach of children.
- P260 Do not breathe vapour / spray.
- P271 Use only outdoors or in a well-ventilated area.
- P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3: Composition / information on ingredients

3.2 Mixtures

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS		Content: 60 - 100%
CAS-No: 68476-85-7	EC No: 270-704-2	
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280		

HYDROCARBONS C6-C7, n-alkanes, isoalkanes, cyclics		Content: 10 - 30%
<5% n-hexane		
CAS-No: -	EC No: 921-024-6	REACH Registration Number: 01-2119475514-35
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

WHITE MINERAL OIL		Content: 1 - 5%
CAS-No: 8042-47-5	EC No: 232-458-8	REACH Registration Number: 01-2119487078-27
Classification Asp. Tox. 1 - H304		

HEXANE- norm		Content: <1%
CAS-No: 110-54-3	EC No: 203-777-6	REACH Registration Number: 01-2119480412-44
Classification Flam. Liq. 2 - H225 Skin irrit. 2 - H315 Repr. 2 - H361f Asp. Tox. 1 - H304 STOT SE 3 - H336 STOT RE 2 - H373 Aquatic Chronic 2 - H411		

The full text for all hazard statements are displayed in Section 16

Section 4: First aid measures

4.1 Description of first aid measures

General information

Move the affected person to fresh air at once.

Inhalation

In case of inhalation of spray/mist: Move affected person into fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provided artificial respiration. Keep the affected person warm and at rest. Get medical attention immediately.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near the ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3 Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Warn firefighters that aerosols are involved. Use water to keep fire exposed containers cool and disperse vapours.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment, and emergency procedures****Personal precautions**

Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2 Environmental precautions

Avoid the spillage or runoff entering drains, sewers, or watercourses. Contain spillage with sand, earth, or any other suitable non-combustible material.

6.3 Methods and material for containment and cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames, or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible absorbent material.

6.4 Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

Section 7: Handling and storage**7.1 Precautions for safe handling**

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

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized 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)

The identified uses for this product are detailed in Section 1.2.

Section 8: Exposure control / personal protection**8.1. Control parameters****Occupational exposure limits**

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³
Short-term exposure limit (15 minute): WEL 1250 ppm 2180 mg/m³

HYDROCARBONS, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexanes Long-term exposure limit (8-hour TWA): WEL 1200 mg/m³

WHITE MINERAL OIL Long-term exposure limit (8-hour TWA): SUP WEL 600 mg/m³

HEXANE - norm Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

Ingredient Exposure Limits

WEL = Workplace Exposure Limit.

8.2 Exposure controls

Appropriate engineering measures

Provide adequate ventilation. Avoid inhalation of vapours and spray/mist. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Do not eat, drink, or smoke when using this product.

Eye / face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates any eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber, Polyvinyl alcohol (PVA), Viton rubber (fluoro rubber). The most suitable gloves should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time for the glove material.

Hygiene measures

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

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Clear
Odour	Organic solvents
Initial boiling point and range	-40°C to -2°C @ 1013hPA
Flash point	< -40°C
Upper / lower flammability or explosive limits	Lower: 1.8% - Upper 9.5%
Vapour pressure	Ca. 590 to 1760 kPa @ 45°C
Vapour density	Ca. 1.5 @ 15°C
Partition coefficient	Log Pow: ca 2.3 to 2.8
Auto-ignition Temperature	410 - 580°C
Comments	Information given is applicable to the major ingredient

9.2 Other information

Volatile organic compound

This product contains a maximum VOC content of 560 g/l

Section 10: Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperatures and when used as recommended.

10.2 Chemical stability

Avoid heat, sparks, and flames.

10.3 Possibility of hazardous reactions

Does not decompose when used and stored as recommended.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Keep away from oxidising materials, heat, and flames.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gasses or vapours.

Section 11: Toxicological information

11.1 Information on toxicological effects

General information

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

Inhalation

Harmful by 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 or vapour in the eyes may cause irritation and smarting.

Acute and chronic health hazards

Arrhythmia, (deviation from normal heartbeat). Irritating to eyes. 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 heartbeat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation. Irritation of eyes and mucous membranes.

Toxicological information on ingredients

Hexane – norm

Acute toxicity – dermal

Acute toxicity dermal (LD ₅₀)	3,000.0 mg/ kg
Species	Rabbit

Acute toxicity – inhalation

Acute toxicity inhalation (LC ₅₀ gases ppmV)	48,000.0
Species	Rat
ATE inhalation (gases ppm)	48,000.0

Serious eye damage / irritation

This product may cause skin and eye irritation.

Skin sensitisation

Not sensitising.

Carcinogenicity

Dose level: 0.043, 900, 3000, 9016 ppm
Rat dose level 0.039, 900, 3000, 9018 ppm
Mouse based on available data the classification is not met.

Reproductive toxicity

Reproductive toxicity – fertility: Fertility – 5000 ppm. Rat permanent testicular damage characterised by loss of germ-cell line.

Reproductive toxicity – development: Teratogenicity – Dose level: 200, 1000, 5000 ppm. Rat, mouse teratogenicity; Maternal toxicity: NOAEL: 200 – 1000 ppm

Specific target organ toxicity – repeated exposure

STOT – repeated exposure LOAEL 3000 ppm, inhalation, rat

Section 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.

12.1. Toxicity

Toxicity – not available

Ecological information on ingredients – HEXANE -norm

Toxicity – not available

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 12.5 mg/l, Oncorhynchus mykiss (Rainbow trout)
 LL₅₀, 96 hours: 2.1 – 2.98 mg/l, Pimephales promelas (Fat-head minnow)

Acute toxicity LL₅₀, 48 hours: 21.85 mg/l, Daphnia magna
- aquatic invertebrates

Acute toxicity LL₅₀, 72 hours: 9.29 mg/l, Psuedokirchneriella subcapitata
- aquatic plants

12.2. Persistence and degradability

Persistence and degradability - not available.

Ecological information on ingredients – HEXANE -norm

Persistence and degradability - not available.

12.3. Bioaccumulative potential

Bioaccumulative potential - Not available

Ecological information on ingredients – HEXANE -norm

Bioaccumulative potential BCF:501, Bioaccumulation is unlikely

12.4. Mobility in soil

Mobility - Not known.

Ecological information on ingredients – HEXANE -norm

Mobility - Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment - Not available.

Ecological information on ingredients – HEXANE -norm

Results of PBT and vPvB assessment - This is not classified as PBT or vPvB according to current EU criteria

12.6. Other adverse effects

Not available.

Ecological information on ingredients – HEXANE -norm

Other adverse effects – not available.

Section 13: Disposal considerations

13.1. Waste treatment methods

General information

Do not puncture or incinerate even when empty.

Disposal methods

Dispose of waste to licensed waste disposal sites in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of explosion. Empty containers must not be punctured or incinerated because of the risk of explosion.

Section 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:

14.1 UN Number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2 UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3 Transport Hazard Class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/ADR label	2.1
IMDG class	2.1
ICAO class / division	2.1

Transport labels**14.4 Packaging group**

Not applicable

14.5 Environmental hazards

Environmentally hazardous substance / marine pollutant - No

14.6 Special precautions for user**EmS** F-D, S-U**Tunnel restriction code** (D)**14.7 Transport in bul according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

Section 15: Regulatory information**15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture****National regulations**

EH40/2005 Workplace exposure limits.

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ("CDG 2009")

EU legislation

Commission Regulation (EU) No. 2015/830 of 28 May 2015.

Guidance

Workplace Exposure Limits EH40.

Safety Data Sheets for Substances and Preparations.

Approved Classification and Labelling Guide (Sixth edition) L131.

British Aerosol Manufacturers Code of Practice 7th Edition 1999**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out

Section 16: Other Information

Revision comments Supplemental information added.

Revision date 03 January 2020

Revision 5

SDS No. 10782

SDS Status Approved

Hazard statements in full

- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H225 Highly flammable liquid and vapour.
- H229 Pressurised container; may burst if heated
- H280 Contains gas under pressure; may explode if heated
- H304 May be fatal if swallowed and enter airways
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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.