

SP-90 Silicone Lubricant Dry Film


**SAFETY DATA SHEET**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

**1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>1.1 Product identifier</b>	Product Name	SP-90 Silicone Lubricant Dry Film.
	Trade Name	SP-90 Silicone Lubricant Dry Film.
	Part No.	1887
	CAS No.	Mixture.
	EINECS No.	Mixture.
	REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	Industrial product not intended for supply to the general public. SP-90 is formulated for a wide range of uses. The deposited film is clear, odourless and inert. It is safe to use on the majority of plastic and rubber surfaces. Test on scrap components to ensure suitability before general application. <ul style="list-style-type: none"> <li>• Use as a mould release or dry lubricant on any steel, plastic, glass, rubber, wooden surfaces.</li> <li>• Used widely in the food industry, wood-working industry, rubber/plastic/leather trades.</li> <li>• Use on coin operated machine.</li> </ul>
	Uses advised against	Do not mix with other chemicals.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	Company Identification	
	Telephone	
	Fax	
	E-Mail (competent person)	
<b>1.4 Emergency telephone number</b>	Emergency Phone No.	

**2. SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	<b>Regulation (EC) No. 1272/2008 (CLP)</b>	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated.
<b>2.2 Label elements</b>	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) SP-90 Silicone Lubricant Dry Film.
	Hazard pictogram(s)	
	Signal word(s)	GHS02 Danger.



## SP-90 Silicone Lubricant Dry Film

Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Precautionary statement(s)	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: Do not pierce or burn, even after use. P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.
Additional Information	Keep out of reach of children. Do not spray on a naked flame or any incandescent material. This product is aerosol packed and in a limited quantity as such it is unlikely to pose a significant spill or environmental hazard.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	None.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Silicone fluid	50 - 90	63148-62-9	-	None assigned	None
Propane	10 - 30	74-98-6	200-827-9	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Butane	5 - 20	106-97-8	203-448-7	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Isobutane	1 - 10	75-28-5	200-857-2	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280

#### 3.2 Additional Information

For full text of H/P phrases see section 16.



## SP-90 Silicone Lubricant Dry Film

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation	Move person to fresh air. If symptoms persist, obtain medical attention.
Skin Contact	Wash skin with soap and water. If symptoms persist, obtain medical attention.
Eye Contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.
Ingestion	Unlikely route of exposure.

#### 4.2 Most important symptoms and effects, both acute and delayed

Unlikely to be required but if necessary treat symptomatically.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No special requirements.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media      Extinguish preferably with dry chemical, sand or carbon dioxide.  
Unsuitable Extinguishing Media      Water.

#### 5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Cool burning stock with water spray to cool and reduce the risk of aerosol bursting.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

#### 6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Caution - spillages may be slippery. Stop leak if safe to do so.

#### 6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

#### 6.3 Methods and material for containment and cleaning up

Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Leaked product will render floors very slippery. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty.

#### 6.4 Reference to other sections

See Also Section 8, 13.



## SP-90 Silicone Lubricant Dry Film

### 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not let the can touch battery terminals, electrical connectors or any source of electricity. Use product in a well-ventilated area only.
- 7.2 Conditions for safe storage, including any incompatibilities** Protect from sunlight. Store in a dry place. Keep in a well ventilated place. Industrial product for professional use. Locked storage does not apply to this product.
- Storage Temperature Do not expose to temperatures exceeding 50°C/ 122°F.  
 Storage Life Stable under normal conditions.  
 Incompatible materials Strong oxidising agents, Strongly alkaline, Strongly acidic.
- 7.3 Specific end use(s)**
- Use as a mould release or dry lubricant on any steel, plastic, glass, rubber, wooden surfaces.
  - Used widely in the food industry, wood-working industry, rubber/plastic/leather trades.
  - Use on coin operated machine.





### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Butane	106-97-8	600	1450	750	1810	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Not normally required.
- Skin protection (Hand protection/Other)  Not normally required. Wear suitable gloves if prolonged skin contact is likely.
- Respiratory protection  No personal respiratory protective equipment normally required.
- Thermal hazards  Not applicable.
- 8.2.3 Environmental Exposure Controls** Do not allow to enter drains, sewers or watercourses.



## SP-90 Silicone Lubricant Dry Film

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Hydrocarbon.
Odour Threshold	Not applicable.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Aerosol 1; Extremely flammable aerosol.
Upper/lower flammability or explosive limits	0.8 – 9.0Vol-% @ 25°C
Vapour pressure	2.41 bar
Vapour density	Not available.
Relative density	Not applicable.
Solubility(ies)	Insoluble in water. Soluble in: Aliphatic hydrocarbons.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	>275°C (bulk product before aerosol packing)
Decomposition Temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not oxidising.

#### 9.2 Other information

Volatile Organic Compound Content	55gm/100ml
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### 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Strongly alkaline, Strongly acidic.
10.6 Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### 11.1.1 Mixtures

Acute toxicity	Low acute toxicity.
Irritation	Not classified.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.

#### 11.2 Other information

None.



## SP-90 Silicone Lubricant Dry Film

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Low toxicity to aquatic organisms.
12.2	<b>Persistence and degradability</b>	No information available.
12.3	<b>Bioaccumulative potential</b>	No information available.
12.4	<b>Mobility in soil</b>	Insoluble in water. The product is predicted to have low mobility in soil.
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	<b>Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

14.1	<b>UN number</b>	UN 1950 (EEC tariff No. 340399-10)
14.2	<b>UN proper shipping name</b> ADR/RID/ADN/IMDG ICAO/IATA	AEROSOLS. AEROSOLS, FLAMMABLE.
14.3	<b>Transport hazard class(es)</b>	2.1
14.4	<b>Packing Group</b>	None.
14.5	<b>Environmental hazards</b>	Not classified as a Marine Pollutant.
14.6	<b>Special precautions for user</b>	None.
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
14.8	<b>Additional Information</b>	
14.8.1	ADR Hazard label(s)	2.1
14.8.2	ADR/RID Item No	5F
14.8.3	ADR/RID Marginal	2201
14.8.4	CEFIC TEC (R) No	20G53
14.8.5	Limited Quantity (LQ)	Limited Quantity provisions apply.

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	<b>Authorisations and/or restrictions on use</b>	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION	All chemicals are not listed.
	REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft 20/03/2012	All chemicals are not listed.
15.1.2	<b>National regulations</b>	None known.



## SP-90 Silicone Lubricant Dry Film

15.2 Chemical Safety Assessment

Not available.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

List contains all hazards, precautions and hazard pictograms may/may not be applicable to this product.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Aerosol 1	Aerosol Category 1
Flam. Gas 1	Flammable gas Category 1
Press. Gas	Gases under pressure

#### Hazard statement(s)

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.

#### Hazard pictogram(s)

GHS02



GHS04



#### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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#### Annex to the extended Safety Data Sheet (eSDS)

No information available.