

# SAFETY DATA SHEET

## ASSA LÅSSPRAY

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** ASSA LÅSSPRAY  
**Product number** 31286, 807718100000  
**Internal identification** 6426-4951-1

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

**Identified uses** Lubricant.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier**  
ASSA AB  
BOX 371  
631 05 Eskilstuna  
Sweden  
  
0046 (0)16-17 70 00  
0046 (0)16-17 70 49  
orderack@assa.se

#### 1.4. Emergency telephone number

**National emergency telephone number** 112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Aerosol 2 - H223, H229  
**Health hazards** Not Classified  
**Environmental hazards** Aquatic Chronic 4 - H413

#### 2.2. Label elements

##### Pictogram



**Signal word** Warning

**Hazard statements**  
H223 Flammable aerosol.  
H229 Pressurised container: may burst if heated  
H413 May cause long lasting harmful effects to aquatic life.

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<b>Precautionary statements</b>	P102 Keep out of reach of children.
	P251 Do not pierce or burn, even after use.
	P273 Avoid release to the environment.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
	P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.

## 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

<b>ALKANES, C10-13-ISO-</b>	<b>50-70%</b>
CAS number: 68551-17-7	
<b>Classification</b>	
Asp. Tox. 1 - H304	
Aquatic Chronic 4 - H413	
<b>TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE</b>	<b>25-35%</b>
CAS number: 29118-24-9	EC number: 471-480-0
	REACH registration number: 01-0000019758-54-0000
<b>Classification</b>	
Press. Gas, Compressed - H280	

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Drink a few glasses of water or milk. DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse with water. Get medical attention if any discomfort continues.

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

<b>General information</b>	Solvent abuse can kill instantly.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.

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**Eye contact** May cause temporary eye irritation.

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

**Notes for the doctor** No specific recommendations.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

### **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.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** For personal protection, see Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Small Spillages: Wipe away with paper or textile fabric. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### **6.4. Reference to other sections**

**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**

**Usage precautions** Keep away from heat, sparks and open flame. Protect against direct sunlight. Avoid eating, drinking and smoking when using the product.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep container dry.

### **7.3. Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

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### Protective equipment



#### Appropriate engineering controls

All handling should only take place in well-ventilated areas.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile gloves are recommended.

#### Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

#### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

No specific recommendation made, but chemical cartridge protection may still be required for organic dusts/vapours known to be toxic.

#### Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Aerosol.
Odour	Oil-like.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Technical impossibility to obtain the data.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	~0,9
Bulk density	Not determined.
Solubility(ies)	Organic solvents.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.

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<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not determined.
<b>Explosive under the influence of a flame</b>	Yes
<b>Oxidising properties</b>	Not determined.

### 9.2. Other information

<b>Other information</b>	Not relevant.
<b>Refractive index</b>	Not determined.
<b>Particle size</b>	Not determined.
<b>Molecular weight</b>	Not determined.
<b>Volatility</b>	Highly volatile.
<b>Saturation concentration</b>	Not determined.
<b>Critical temperature</b>	Not determined.
<b>Volatile organic compound</b>	No information required.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Not known.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	No data is available regarding the preparation it self.
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#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

### Skin corrosion/irritation

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met. Aerosol dispenser. The mist is fine, a pool may not be formed.

### **General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

### **Inhalation**

Vapours have a narcotic effect. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. May cause respiratory system irritation.

### **Ingestion**

Due to the physical nature of this product, it is unlikely that ingestion will occur. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### **Skin contact**

Repeated exposure may cause skin dryness or cracking.

### **Eye contact**

May cause temporary eye irritation.

### **Acute and chronic health hazards**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache.

## SECTION 12: Ecological Information

### **Ecotoxicity**

There are no data on the ecotoxicity of this product.

### 12.1. Toxicity

#### **Toxicity**

No data is available regarding the preparation itself.

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## TRANS-1,3,3,3,-TETRAFLUOROPROP-1-ENE

**Acute toxicity - aquatic invertebrates**      EC<sub>50</sub>, 48 hours: >160 mg/l,

### 12.2. Persistence and degradability

**Persistence and degradability**    There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**        No data available on bioaccumulation.

**Partition coefficient**                Not determined.

### 12.4. Mobility in soil

**Mobility**                                No information available

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**    This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**                No information required.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information**                The manufacturer of this product complies with the rules and regulations of the European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste, by paying packaging fees for disposal and recycling of packaging waste.

**Disposal methods**                    The plastic lid and valve are sorted as plastic. Empty aerosols are sorted as scrap metal. Residues and non empty containers should be taken care of as hazardous waste according to local and national regulations.

**Waste class**                            Non empty containers: EWC code 14 06 03\*  
Empty containers: EWC code 15 01 04.

## **SECTION 14: Transport information**

**General**                                Aerosols may be carried domestically as limited quantities ( 1L ) as long as each package does not exceed 30 kg in cardboard boxes or 20 kg on trays with shrink- or stretch wrapping. Each package shall be marked with diamond-shaped area, the top and bottom part is black, surrounded by a line that measures at least 100 mm x 100 mm.

### 14.1. UN number

**UN No. (ADR/RID)**                    1950

**UN No. (IMDG)**                        1950

**UN No. (ICAO)**                        1950

**UN No. (ADN)**                         1950

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**    AEROSOLS

**Proper shipping name (IMDG)**    AEROSOLS

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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/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

### Transport labels



### 14.4. Packing group

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** COUNCIL DIRECTIVE of may 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**General information** A review of safety data sheet with staff to manage the product recommended.

**Classification procedures according to Regulation (EC) 1272/2008** Asp. Tox. 1 - H304: Based on available data the classification criteria are not met. Aerosol dispenser. The mist is fine, a pool may not be formed.



## ASSA LÅSSPRAY

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision. Revised classification.
<b>Issued by</b>	Östergren
<b>Revision date</b>	28/06/2017
<b>Revision</b>	2.1
<b>Supersedes date</b>	15/01/2016
<b>Hazard statements in full</b>	H223 Flammable aerosol. H229 Pressurised container: may burst if heated H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H413 May cause long lasting harmful effects to aquatic life.

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.