Product name: **9584 Prefill DME** Creation date: **20.7.2020** · Revision: **15.10.2020** · Version: **1** 

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

### 1.1. Product identifier

Product name

### 9584 Prefill DME

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

Relevant identified uses

Paint.

Uses advised against

No information.

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

#### Manufacturer

SILCO, D.O.O. Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia Phone: +386 3 703 3180 Fax: +386 3 703 3188 E-mail: n.cvilak@silco-automotive.com Point of contact for safety info: Nejc Cvilak

#### 1.4. Emergency telephone number

**Emergency** 

112

Supplier

+386 3 703 3180

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Aerosol 1; H222 Extremely flammable aerosol. Aerosol 1; H229 Pressurised container: May burst if heated. Eye Irrit. 2; H319 Causes serious eye irritation. STOT SE 3; H336 May cause drowsiness or dizziness.



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#### 2.2 Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



#### Signal word: Danger

- H222 + H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- P251 Do not pierce or burn, even after use.
- 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.
- P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read carefully and follow all instructions.
- P271 Use only outdoors or in a well-ventilated area.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulation.

#### 2.2.2. Contains:

acetone (CAS: 67-64-1, EC: 200-662-2, Index: 606-001-00-8)

#### 2.2.3. Special provisions

Special hazards are not known or expected.

#### 2.3. Other hazards

The substances in the mixture are not classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

For mixtures see 3.2.

#### 3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
dimethyl ether	115-10-6 204-065-8 603-019-00-8	70-<80	Flam. Gas 1; H220 Press. Gas; H280		-
acetone	67-64-1 200-662-2 606-001-00-8	25-<30	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066		01-2119471330-49

## SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

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#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. If symptoms occur, seek medical advice.

#### Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention. Wash contaminated clothes and shoes before reuse.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Protect the undamaged eye. If irritation persists, seek professional medical attention.

#### Following ingestion

Not likely. Do not induce vomiting! Immediately consult a doctor. Show the physician the safety data sheet or label.

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

#### Inhalation

Vapours may cause drowsiness and dizziness.

#### Skin contact

Contact with skin may cause irritation (redness, itching).

#### Eye contact

Redness, tearing, pain.

#### Ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry chemicals.

#### Unsuitable extinguishing media

No special precautions required.

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

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. Smoke.

#### 5.3. Advice for firefighters

#### Protective actions

In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area. In case of fire aerosols can explode and be propelled to considerable distances in different directions. Prolonged heating can cause an explosion.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

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#### Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

6.1.1. For non-emergency personnel

#### **Protective equipment**

Use personal protective equipment (Section 8).

#### Emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Prevent access to unprotected personnel. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

#### <u>6.1.2. For emergency responders</u>

Use personal protective equipment.

#### 6.2. Environmental precautions

The product is an aerosol, which is why leakage of large amounts of product is not expected. Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

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

#### 6.3.1. For containment

#### 6.3.2. For cleaning up

Collect the spray cans and hand them over to an authorized waste disposal contractor. Release of liquid because of damaged aerosol can (release of large quantities): Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water. Collect and dispose of contaminated washing water. Dispose in accordance with applicable regulations (see Section 13).

#### 6.3.3. Other information

#### 6.4. Reference to other sections

See also Sections 8 and 13.

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

#### Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use spark-proof tools. Do not spray on a naked flame or incandescent material. Pressurized container; protect from sunlight and do not expose to tempratures exceeding 50°C. Do not pierce or burn, even after use.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

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#### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin and eyes. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse.

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

#### 7.2.1. Technical measures and storage conditions

Follow safe storage practices for packed compressed gas as described by the Compressed Gas Association or the relevant agency in the country where the product is used. Keep in cool and well ventilated area. Keep away from sources of ignition - no smoking. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Storage temperature < 20 °C.

### 7.2.2. Packaging materials

Store only in original container.

#### 7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking.

#### 7.2.4. Storage class

#### 7.2.5. Further information on storage conditions

7.3. Specific end use(s)

Recommendations

Industrial sector specific solutions

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

#### 8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit v	imit values Short-term exposure limit Remarks Biological Tolerance Value		<b>Biological Tolerance Values</b>		
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Dimethyl ether (115-10-6)	400	766	500	958		
Acetone (67-64-1)	500	1210	1500	3620		

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

#### 8.1.3. DNEL/DMEL values

No information.

#### 8.1.4. PNEC values

No information.

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#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe vapours/aerosols.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### 8.2.2. Personal protective equipment

#### Eye and face protection

Tight fitting protective goggles (EN 166).

#### Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

Material	Thickness	Penetration Time	Remark
Rubber gloves			
Neoprene			
PVC			

#### Skin protection

No requirements under normal use conditions. With excessive exposure wear protective working clothing (overalls and boots). Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

#### **Respiratory protection**

Not needed under normal use and adequate ventilation. In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard EN 137, EN 138.

#### Thermal hazards

#### 8.2.3. Environmental exposure controls

#### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

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

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

-	Physical state:	liquid; aerosol
-	Colour:	according to specification
-	Odour:	characteristic

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Important health, safety and environmental information

-	рН	No information.
-	Melting point/freezing point	No information.
-	Initial boiling point/boiling range	No information.
-	Flash point	< 0 °C
-	Evaporation rate	No information.
-	Flammability (solid, gas)	No information.
-	Explosion limits (vol%)	No information.
-	Vapour pressure	No information.
-	Vapour density	No information.
-	Density	No information.
-	Solubility	Water: Insoluble Oil: Soluble
-	Partition coefficient	No information.
-	Auto-ignition temperature	No information.
-	Decomposition temperature	No information.
-	Viscosity	No information.
-	Explosive properties	No information.
	Oxidising properties	No information.

#### 9.2. Other information

- Remarks:

## SECTION 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

The product is stable under recommended storage and handling conditions.

#### 10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

#### 10.5. Incompatible materials

Oxidants.

#### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

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## SECTION 11. TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

(a) Acute toxicity

	Exposure route	Туре	Species	Time	Value	Method	Remark
acetone (67-64-1)	oral	LD <sub>50</sub>	rabbit		5300 mg/kg		
Additional informatio	<b>n:</b> The product is not classi	fied for acute	e toxicity.				
(b) Skin corrosio	on/irritation						
Additional informatio	<b>n:</b> The product is not classi	fied as irritati	ing to the skin	•			
<u>(c) Serious eye</u>	damage/irritation						
Additional informatio	n: Causes serious eye irrita	tion.					
(d) Respiratory	or skin sensitisation						
Additional informatio	<b>n:</b> The product is not classi	fied as sensi	tising.				
<u>(e) (Germ cell) r</u>	nutagenicity						
No information.							
(f) Carcinogenic	sity						
No information.							
(g) Reproductive	e toxicity						
No information.							
Summary of eva	aluation of the CMR pro	perties					
The product is n	ot classified as carcinogeni	c, mutagenic	or toxic for re	production	1.		
<u>(h) STOT-single</u>	exposure						
Additional informatio	n: May cause drowsiness o	r dizziness.					
<u>(i) STOT-repeat</u>	ed exposure						
Additional informatio	n: STOT RE (repeated exp	osure): Not c	lassified.				
(j) Aspiration ha	zard						
Additional informatio	n: Aspiration hazard: Not cl	assified.					

12.1.1. Acute (short-term) toxicity

No information.

12.1.2. Chronic (long-term) toxicity

No information.

## 12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

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#### 12.2.2. Biodegradation

No information.

### 12.3. Bioaccumulative potential

12.3.1. Partition coefficient

#### No information.

#### 12.3.2. Bioconcentration factor (BCF)

No information.

#### 12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

#### 12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

#### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### 12.6. Other adverse effects

No information.

#### 12.7. Additional information

#### For product

Do not allow to reach ground water, water courses or sewage system. Avoid release to the environment. Product is not classified as dangerous for environment.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

#### Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

#### Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities. Empty containers represent a fire hazard as they may contain flammable product residues and vapour. Uncleaned containers should not be perforated, cut or welded.

#### 13.1.2. Waste treatment-relevant information

13.1.3. Sewage disposal-relevant information

13.1.4. Other disposal recommendations

## SECTION 14. TRANSPORT INFORMATION

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#### 14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2

### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

NO.

#### 14.6. Special precautions for user

Limited quantities

1 L

Tunnel restriction code

(D)

## IMDG flashpoint

0 °C, c.c.

#### IMDG EmS

F-D, S-U

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

Goods may not be carried in bulk in bulk containers, containers or vehicles.

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### <u>15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds</u> (VOC-guideline)

#### Not applicable.

## 15.1.2. Special instructions

Seveso III, P3a: flammable aerosols. Volatile CMR substances = 0.00%Halogenated volatile organic compounds classified as H351 = 0.00%Organic carbon - C = 0.00.

## 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

## Indication of changes





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#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate ADR - Agreement concerning the International Carriage of Dangerous Goods by Road ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways CEN - European Committee for Standardisation C&L - Classification and Labelling CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 CAS# - Chemical Abstracts Service number CMR - Carcinogen, Mutagen, or Reproductive Toxicant CSA - Chemical Safety Assessment CSR - Chemical Safety Report DMEL - Derived Minimal Effect Level **DNEL - Derived No Effect Level** DPD - Dangerous Preparations Directive 1999/45/EC DSD - Dangerous Substances Directive 67/548/EEC DU - Downstream User EC - European Community ECHA - European Chemicals Agency EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS) EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway) EEC - European Economic Community EINECS - European Inventory of Existing Commercial Substances ELINCS - European List of notified Chemical Substances EN - European Standard EQS - Environmental Quality Standard EU - European Union Euphrac - European Phrase Catalogue EWC - European Waste Catalogue (replaced by LoW - see below) GES - Generic Exposure Scenario GHS - Globally Harmonized System IATA - International Air Transport Association ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air IMDG - International Maritime Dangerous Goods IMSBC - International Maritime Solid Bulk Cargoes IT - Information Technology IUCLID - International Uniform Chemical Information Database IUPAC - International Union for Pure Applied Chemistry JRC - Joint Research Centre Kow - octanol-water partition coefficient LC50 - Lethal Concentration to 50 % of a test population LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose) LE - Legal Entity LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm) LR - Lead Registrant M/I - Manufacturer / Importer MS - Member States MSDS - Material Safety Data Sheet OC - Operational Conditions OECD - Organization for Economic Co-operation and Development **OEL - Occupational Exposure Limit** OJ - Official Journal **OR** - Only Representative OSHA - European Agency for Safety and Health at work PBT - Persistent, Bioaccumulative and Toxic substance PEC - Predicted Effect Concentration PNEC(s) - Predicted No Effect Concentration(s) PPE - Personal Protection Equipment (Q)SAR - Qualitative Structure Activity Relationship REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail **RIP - REACH Implementation Project** RMM - Risk Management Measure SCBA - Self-Contained Breathing Apparatus

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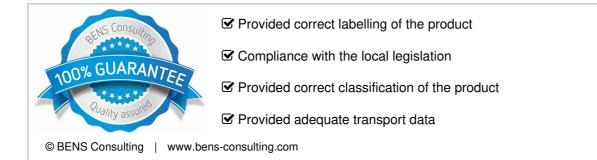


SDS - Safety data sheet SIEF - Substance Information Exchange Forum SME - Small and Medium sized Enterprises STOT - Specific Target Organ Toxicity (STOT) RE - Repeated Exposure (STOT) SE - Single Exposure SVHC - Substances of Very High Concern UN - United Nations vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

#### List of relevant H phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.



The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.