

# SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 4005 S.View -40°

Creation date: 5.10.2007 · Revision: 27.6.2018 · Version: 1

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

### 1.1. Product identifier

Product name

4005 S.View -40°



chemius.net/KMtd4

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

Relevant identified uses

Windshield winter cleaner

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)

Fam. Liq. 3; H226 Flammable liquid and vapour.

### 2.2 Label elements

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



Signal word: **Warning**

H226 Flammable liquid and vapour.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403 + P235 Store in a well-ventilated place. Keep cool.

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## 2.2.2. Contains:

-

## 2.2.3. Special provisions

Special hazards are not known or expected.

## **2.3. Other hazards**

No information.

## **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.
ethanol	64-17-5 200-578-6 603-002-00-5	< 50	Flam. Liq. 2; H225		-
ethylene glycol	107-21-1 203-473-3 603-027-00-1	< 15	Acute Tox. 4; H302		-
isopropyl alcohol	67-63-0 200-661-7 603-117-00-0	< 8	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336		-

## **SECTION 4. FIRST AID MEASURES**

### **4.1. Description of first aid measures**

#### General notes

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#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. Seek medical help immediately.

#### Following skin contact

Immediately remove contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water.

#### Following eye contact

Immediately rinse eyes with running water, also under the eyelids. Consult a physician immediately!

#### Following ingestion

Rinse mouth thoroughly with water. Immediately consult a doctor. Do not induce vomiting!

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

#### Inhalation

-

#### Skin contact

No data available.

#### Eye contact

-

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## Ingestion

May cause nausea/vomiting and diarrhea.

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

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## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray.  
Foam.

#### Unsuitable extinguishing media

No special precautions required.

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

#### Hazardous combustion products

In the event of fire carbon dioxide (CO<sub>2</sub>) is generated.

### 5.3. Advice for firefighters

#### Protective actions

Vapours can form explosive mixtures with air. Cool the endangered containers with water spray.

#### Special protective equipment for firefighters

self-contained breathing apparatus 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).

#### 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). Prohibited to smoke. Avoid contact with eyes, skin and clothes.

##### **Emergency procedures**

Prevent access to unprotected personnel. Keep away from sources of ignition.

#### 6.1.2. For emergency responders

High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not allow to enter water/drains/sewerage. Prevent contamination of soil and ground water.

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

#### 6.3.1. For containment

-

#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

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## 6.3.3. Other information

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## **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. Protect from open fire and other sources of ignition or heat.

##### **Measures to prevent aerosol and dust generation**

-

##### **Measures to protect the environment**

-

#### 7.1.2. Advice on general occupational hygiene

Do not eat, drink or smoke while working. Keep away from food, drink and animal feeding stuffs

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

#### 7.2.1. Technical measures and storage conditions

Keep away from heat and sources of ignition. Keep container in a well ventilated place. Consider valid regulation. Storage temperature < 20 °C.

#### 7.2.2. Packaging materials

-

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

Keep only in original container.

#### 7.2.4. Storage class

-

#### 7.2.5. Further information on storage conditions

-

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

#### **Recommendations**

-

#### **Industrial sector specific solutions**

-

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Ethane-1,2-diol particulate (107-21-1)	-	10	-	-	Sk	
Ethane-1,2-diol vapour (107-21-1)	20	52	40	104	Sk	
Ethanol (64-17-5)	1000	1920	-	-		
Propan-2-ol (67-63-0)	400	999	500	1250		

#### 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.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering control

##### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

#### 8.2.2. Personal protective equipment

##### Eye and face protection

Tight fitting protective goggles (EN 166).

##### Hand protection

Use chemical resistant gloves.

##### Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

##### Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

##### Thermal hazards

-

#### 8.2.3. Environmental exposure controls

-

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

-	Physical state:	liquid
-	Colour:	
-	Odour:	alcohol

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## Important health, safety and environmental information

- pH	No information.
- Melting point/freezing point	No information.
- Initial boiling point/boiling range	No information.
- Flash point	> 23 °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	No information.
- 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:	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

-

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

-

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Oxidants.  
Anhydrides.  
Acetylenechloride.  
Peroxide.  
Acids. Alkali metal.

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. Carbon oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

(a) Acute toxicity

No information.

(b) Skin corrosion/irritation

No information.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

No information.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

No information.

(j) Aspiration hazard

No information.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

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.

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.

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## 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

No evaluation.

## 12.6. Other adverse effects

No information.

## 12.7. Additional information

### For product

Contained surface active agents are at least 90 % biodegradable (OECD 302A)

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### Waste chemical

Suitable for incineration in approved incinerators or appropriate, authorized disposal plants. Dispose according to regulations.

##### Packaging

According to regulations.

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

UN 1170

### 14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

### 14.3. Transport hazard class(es)

3

### 14.4. Packing group

III

### 14.5. Environmental hazards

NO.





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## 14.6. Special precautions for user

### Limited quantities

5 L

### Tunnel restriction code

(D/E)

### IMDG flashpoint

23 °C, c.c.

### IMDG EmS

F-E, S-D

## 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

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

Not applicable.

### 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

-

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - European 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

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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  
LC<sub>50</sub> - 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  
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

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## List of relevant H phrases

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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