

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Screen Wash Concentrate - Frost protection to -70°C - 0,5L

Creation date 18. March 2019  
Revision date Version 1.0

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

#### 1.1. Product identifier

Substance / mixture  
Number

Screen Wash Concentrate - Frost protection to -70°C -  
0,5L  
mixture  
G 052164M1

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

Mixture's intended use

Cleaning agent.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

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

##### Supplier

Name or trade name  
Address

ŠKODA AUTO a.s.  
tř. Václava Klementa 869, Mladá Boleslav II, 293 01

VAT Reg No

Czech Republic

Phone

CZ00177041

E-mail

+420 326 811 111

Web address

msds@skoda-auto.cz

www.skoda-auto.cz

##### Competent person responsible for the safety data sheet

Name

Ing. Tadeáš Narovec

E-mail

tadeas.narovec@skoda-auto.cz

#### 1.4. Emergency telephone number

National Health Service (NHS) 111

National poisoning information centre Scotland, NHS 24: 111

### SECTION 2: Hazards identification

#### 2.1. Substance or mixture classification

##### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 2, H225

Eye Irrit. 2, H319

Full text of all classifications and hazard statements is given in the section 16.

##### Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

##### Most serious adverse effects on human health and the environment

Causes serious eye irritation.

#### 2.2. Label elements

##### Hazard pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear eye protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

### Supplemental information

<5 % anionic surfactants

### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger.

### 2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

#### Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	≥70-<90	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	1
Index: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 Registration number: 01-2119456816-28	ethanediol	≥1-<10	Acute Tox. 4, H302 STOT RE 2, H373	1
CAS: 3734-33-6 EC: 223-095-2 Registration number: 01-2120102843-65- xxxx	Denatonium benzoate	≥0,1-<1	Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 1, H330	2

#### Notes

- 1 Substance for which exposure limits of Community for working environment exist.
- 2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

#### Inhalation

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

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### **Skin contact**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water/shower.

### **Eye contact**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

### **Ingestion**

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

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

#### **Inhalation**

Not expected.

#### **Skin contact**

Not expected.

#### **Eye contact**

Causes serious eye irritation.

#### **Ingestion**

Irritation, nausea.

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

Symptomatic treatment.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### **Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

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

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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

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

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

### **6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

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

See the Section 7, 8 and 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Prevent contact with skin and eyes. No smoking. Use only non-sparking tools. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep container tightly closed. Keep cool.

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

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

not available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### European Union

Substance name (component)	Type	Time of exposure	Value	Note	Source
ethanediol (CAS: 107-21-1)	OEL	8 hours	52 mg/m <sup>3</sup>		EU limits
	OEL	8 hours	20 ppm		
	OEL	Short-term	104 mg/m <sup>3</sup>		
	OEL	Short-term	40 ppm		
	OEL	8 hours	52 mg/m <sup>3</sup>	skin	
	OEL	8 hours	20 ppm	skin	
	OEL	Short-term	104 mg/m <sup>3</sup>	skin	
	OEL	Short-term	40 ppm	skin	

#### United Kingdom of Great Britain and Northern Ireland

Substance name (component)	Type	Time of exposure	Value	Note	Source
ethanol (CAS: 64-17-5)	WEL	8 hours	1920 mg/m <sup>3</sup>		Gestis
	WEL	8 hours	1000 ppm		
ethanediol (CAS: 107-21-1)	WEL	8 hours	10 mg/m <sup>3</sup>		GBR
	WEL	8 hours	10 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Particulates only	
	WEL	8 hours	20 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	

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### United Kingdom of Great Britain and Northern Ireland

Substance name (component)	Type	Time of exposure	Value	Note	Source
ethanediol (CAS: 107-21-1)	WEL	8 hours	52 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	GBR
	WEL	15 minutes	104 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	
	WEL	15 minutes	40 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	

### 8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

Appearance	liquid
Physical state	liquid at 20°C
color	blue
Odour	characteristic
Odour threshold	data not available
pH	7 (undiluted)
Melting point/freezing point	data not available
Initial boiling point and boiling range	78 °C
Flash point	19 °C
Evaporation rate	data not available
Flammability (solid, gas)	Highly flammable liquid and vapour.
Upper/lower flammability or explosive limits	
flammability limits	
bottom	3.5 %
upper	15 %
explosive limits	

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bottom		3.5 %	
upper		15 %	
Vapour pressure		57 hPa at 20 °C	
Vapour density		data not available	
Relative density		data not available	
Solubility(ies)			
solubility in water		miscible	
solubility in fats		data not available	
Partition coefficient: n-octanol/water		data not available	
Auto-ignition temperature		410 °C	
Decomposition temperature		data not available	
Viscosity		data not available	
Explosive properties		The product does not have explosive properties but can be explosive when blended with air.	
Oxidising properties		The product has no oxidizing properties.	
data not available			
<b>9.2. Other information</b>			
Density		0.838 g/cm <sup>3</sup> at 20 °C	
ignition temperature		data not available	
content of organic solvents (VOC)		89.52 %	
none			

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Unknown.

#### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

#### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

#### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

No toxicological data is available for the mixture.

##### Acute toxicity

Based on available data the classification criteria are not met.

ethanediol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral			500 mg/kg			
Inhalation	LC <sub>50</sub>		>2.5 mg/l	6 hour	Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	OECD 402	>3500 mg/kg		Mouse	

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ethanol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Inhalation (vapor)	LC <sub>50</sub>		124.7 mg/l	4 hour	Rat	
Oral	LD Lo		7000 mg/kg bw		Rat	
Inhalation (vapor)	LC <sub>50</sub>		116.9 mg/l	4 hour	Rat	
Inhalation (vapor)	LC <sub>50</sub>		133.8 mg/l	4 hour	Rat	

### Skin corrosion/irritation

Based on available data the classification criteria are not met.

ethanediol

Route of exposure	Result	Time of exposure	Species
Dermal	Not irritating		Rabbit

### Serious eye damage/irritation

Causes serious eye irritation.

ethanediol

Route of exposure	Result	Time of exposure	Species
Eye	Not irritating		Rabbit

ethanol

Route of exposure	Result	Time of exposure	Species
	Irritating		Rabbit

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

ethanediol

Route of exposure	Result	Time of exposure	Species	Sex
Dermal	Negative		Guinea-pig ( <i>Cavia aperea f. porcellus</i> )	

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

ethanediol

Result	Method	Time of exposure	Specific target organ	Species	Sex
Negative	OECD 471				

### Carcinogenicity

Based on available data the classification criteria are not met.

ethanediol

Route of exposure	Parameter	Value	Time of exposure	Result	Species	Sex
Oral			2 year	Negative	Mouse	

ethanol

Route of exposure	Parameter	Value	Time of exposure	Result	Species	Sex
Oral				Indeterminate	Rat	

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### Reproductive toxicity

Based on available data the classification criteria are not met.

ethanol

	Parameter	Value	Result	Species	Sex
Effects on fertility	NOAEL	>16000 ppm	No effect	Rat	
	NOAEL	5200 mg/kg/24hour	Indeterminate	Rat	

### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

ethanol

Route of exposure	Parameter	Value	Time of exposure	Specific target organ	Result	Species	Sex
Inhalation	LOAEL	2.6 mg/l	30 min	Nervous system	Drowsiness, Dizziness	Human	
Inhalation	LOAEL	9.4 mg/l		Lungs	Indeterminate	Human	

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

ethanediol

Route of exposure	Parameter	Value	Specific target organ	Result	Species	Sex
Oral		>10-100 mg/kg	Kidney			

### Repeated dose toxicity

ethanediol

Route of exposure	Parameter	Result	Method	Value	Time of exposure	Species	Sex
Oral	NOAEL			150 mg/kg	2 year	Rat (Rattus norvegicus)	
Dermal	NOAEL		OECD 410	2200-4400 mg/kg	4 week	Dog	

### Aspiration hazard

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Data for the mixture are not available.

ethanediol

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method
LC <sub>50</sub>		72860 mg/l	96 hour	Fishes (Pimephales promelas)		
EC <sub>50</sub>	OECD 202	>100 mg/l	48 hour	Daphnia (Daphnia magna)		



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ethanediol

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method
EC <sub>50</sub>		6500-13000 mg/l	96 hour	Algae (Pseudokirchneriella subcapitata)		

ethanol

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method
EC 0		3.9 g/l	200 hour	Fishes		Experimentally
EC <sub>50</sub>		>10000 mg/l	24 hour	Daphnia		Experimentally
EC <sub>50</sub>		8800 mg/l	96 hour	Algae		Experimentally

### Chronic toxicity

ethanediol

Parameter	Value	Time of exposure	Species	Environment	Determining method
NOEC	15380 mg/l	7 day	Fishes (Pimephales promelas)		
NOEC	8590 mg/l	7 day	Daphnia (Ceriodaphnia dubia)		

ethanol

Parameter	Value	Time of exposure	Species	Environment	Determining method
LC <sub>50</sub>	9248 mg/l	48 hour	Invertebrates		Experimentally
NOEC	250 mg/l	120 hour	Fishes (Oncorhynchus mykiss)		Experimentally
NOEC	1000 mg/l	120 hour	Fishes		Experimentally

## 12.2. Persistence and degradability

### Biodegradability

ethanediol

Parameter	Method	Value	Time of exposure	Environment	Result
	OECD 301A	90-100 %	10 day		Easily biodegradable

The mixture is biodegradable.

## 12.3. Bioaccumulative potential

ethanediol

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	10		Fishes (Leuciscus idus)		
Log Pow	-1.93				

Not available.

## 12.4. Mobility in soil

Not available.

## 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

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### 12.6. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 06 04 other organic solvents, washing liquids and mother liquors

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

### 14.1. UN number

UN 1170

### 14.2. UN proper shipping name

ETHANOL SOLUTION

### 14.3. Transport hazard class(es)

3 Flammable liquids

### 14.4. Packing group

III - substances presenting low danger

### 14.5. Environmental hazards

No.

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

not available

#### Additional information

Hazard identification No.

30

(Kemler Code)

UN number

1170

Classification code

F1

Safety signs

3



#### Air transport - ICAO/IATA

Packaging instructions passenger 355

Cargo packaging instructions 366

#### Marine transport - IMDG

EmS (emergency plan) F-E, S-D

MFAG 305

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### SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended.

#### Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

Denatonium benzoate

Restriction	Conditions of restriction
03	<p>1. Shall not be used in:</p> <ul style="list-style-type: none"><li>— ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,</li><li>— tricks and jokes,</li><li>— games for one or more participants, or any article intended to be used as such, even with ornamental aspects,</li></ul> <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:</p> <ul style="list-style-type: none"><li>— can be used as fuel in decorative oil lamps for supply to the general public, and,</li><li>— present an aspiration hazard and are labelled with R65 or H304,</li></ul> <p>4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).</p> <p>5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:</p> <p>(a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";</p> <p>(b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";</p> <p>(c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</p> <p>6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.</p> <p>7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.</p>

#### 15.2. Chemical safety assessment

not available

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

H225 Highly flammable liquid and vapour.

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- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.

### Guidelines for safe handling used in the safety data sheet

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.
- P233 Keep container tightly closed.
- P264 Wash hands and exposed parts of the body thoroughly after handling.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P280 Wear eye protection.

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

- ADR European agreement concerning the international carriage of dangerous goods by road
- BCF Bioconcentration Factor
- CAS Chemical Abstracts Service
- CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
- DNEL Derived no-effect level
- EC Identification code for each substance listed in EINECS
- EC<sub>50</sub> Concentration of a substance when it is affected 50% of the population
- EINECS European Inventory of Existing Commercial Chemical Substances
- EmS Emergency plan
- EU European Union
- IATA International Air Transport Association
- IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
- IC<sub>50</sub> Concentration causing 50% blockade
- ICAO International Civil Aviation Organization
- IMDG International Maritime Dangerous Goods
- INCI International Nomenclature of Cosmetic Ingredients
- ISO International Organization for Standardization
- IUPAC International Union of Pure and Applied Chemistry
- LC<sub>50</sub> Lethal concentration of a substance in which it can be expected death of 50% of the population
- LD<sub>50</sub> Lethal dose of a substance in which it can be expected death of 50% of the population
- LOAEC Lowest observed adverse effect concentration
- LOAEL Lowest observed adverse effect level
- log Kow Octanol-water partition coefficient
- MARPOL International Convention for the Prevention of Pollution From Ships
- NOAEC No observed adverse effect concentration
- NOAEL No observed adverse effect level
- NOEC No observed effect concentration
- NOEL No observed effect level
- OEL Occupational Exposure Limits
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted no-effect concentration
- ppm Parts per million

# SAFETY DATA SHEET

**ŠKODA**

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Screen Wash Concentrate - Frost protection to -70°C - 0,5L

Creation date	18. March 2019	Version	1.0
Revision date			

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
STOT RE	Specific target organ toxicity - repeated exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.