



## Scania Coolant Ready-mix 50/50

Part numbers: 1921955, 1921956, 1921957, 1896695

Version 1.1  
Effective date 2013-10-08

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

#### 1.1 Product Identifier

Trade name : **Scania Coolant ready-mix 50/50**  
Type of use : Antifreeze

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

Product Use : Antifreeze glycol

Uses Advised Against : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier.

#### 1.3 Details of the Supplier of the safety data sheet

Manufacturer/Importer: Scania CV AB  
Postal code 151 87  
Country Sweden  
E-mail [safety\\_data\\_sheet@scania.com](mailto:safety_data_sheet@scania.com)  
Telephone +46 (0) 8 553 810 00  
Fax +46 (0) 553 849 12

#### 1.4 Emergency Telephone Number

+46 (0) 8 553 831 31

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### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Directive 67 / 548 / EEC or 1999 / 45 / EC

Harmful if swallowed

Xn ; R 22

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

**Hazard classes and hazard categories**

Flam. Liq. 4 · Acute Tox. 4 (oral) · STOT RE 2

#### **Physical hazards**

Flammable Liquids : Category 4

#### **Health hazards**

Acute toxicity (oral) : Category 4

Specific target organ toxicity (Repeated exposure) : Category 2

Flam. Liq. 4 · Acute Tox. 4 (oral) · STOT RE 2

May cause damage to organs through prolonged or repeated exposure. · Harmful if swallowed.

## 2.2 Label Elements

### Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols and hazard statements of dangerous substances and preparations



Xn ; Harmful

### Hazard components for labelling

ETHANEDIOL ; CAS No. : 107-21-1

### R-phrases

22 Harmful if swallowed.

### S-phrases

35 This material and its container must be disposed of in a safe way.

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

Hazard pictograms



Health hazard (GHS08) · Exclamation mark (GHS07)

Signal word

Warning

### Hazard components for labelling

ETHANEDIOL ; CAS No. : 107-21-1

### Hazard Statements

H373 May cause damage to organs through prolonged or repeated exposure.

H302 Harmful if swallowed.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

## 2.3 Other Hazards

None

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance

### 3.2 Mixtures

#### Hazardous ingredients

ETHANEDIOL ; REACH registration No. : 01-2119456816-28 ; EC No : 203-473-3; CAS No. : 107-21-1

Weight fraction : 25 -50 %

Classification 67/548/EEC : Xn ; R22

Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302

Additional information

Full text of R-, H-and EUH-phrases: see section 16.

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## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General information

Medical treatment necessary.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. Call a physician immediately.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Induce vomiting when the affected person is not unconscious. Call a physician in any case!

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

No information available.

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

None

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## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water mist

#### Unsuitable extinguishing media

Strong water jet.

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

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses.

## Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Special danger of slipping by leaking/spilling product. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation. Remove persons to safety. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Ensure all waste water is collected and treated via a waste water treatment plant. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Suitable material for taking up: Sand. Kieselguhr. Universal binder Sawdust. Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

See protective measures under point 7 and 8.

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## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Provide adequate ventilation as well as local exhaust at critical locations. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. All work processes must always be designed so that the following is as low as possible: Eye contact. Skin contact. Inhalation of vapors or spray/mists. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Wear personal protection equipment. (see chapter 8).

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

Technical measures and storage conditions  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Never use pressure to empty container.

#### Hints on storage assembly

Keep away from: Oxidizing agent Acid. Alkali

Storage class : 10

### 7.3 Specific end uses

None

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational exposure limit values

ETHANEDIOL ; CAS No. : 107-21-1

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 10 ppm / 26 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : H, Y

Version : 02-07-2009

Limit value type (country of origin) : STEL ( EC )

Limit value : 40 ppm / 104 mg/m<sup>3</sup>

Remark :	H
Version :	08-06-2000
Limit value type (country of origin) :	TWA ( EC )
Limit value :	20 ppm / 52 mg/m <sup>3</sup>
Remark :	H
Version :	08-06-2000

## 8.2 Exposure controls

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### Personal protective equipment

#### Eye / face protection

Eye glasses with side protection

#### Skin protection

##### Hand protection

Gloves with long cuffs The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Body protection

Overall. Protective apron.

#### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation. insufficient exhaust Handling larger quantities. Container device with compressed air (DIN EN 137). / Filtering device (full mask or mouthpiece) with filter: Filter types:A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m<sup>3</sup> (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m<sup>3</sup> (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m<sup>3</sup> (1.0 % by vol.)

### General health and safety measures

Emergency shower installed

### Environmental exposure controls

Send to a hazardous waste incinerator facility under observation of official regulations.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Safety relevant basis data

Physical state :	liquid
Odour :	Characteristic.
Colour :	Rose/pink.
Boiling temperature / boiling range :	(1013hPa) > 90 °C
Flash point :	> 90 °C
Vapour pressure :	(50°C) < 1000 hPa
Density :	( 20 °C ) ca. 1,04 g/cm <sup>3</sup>
Water solubility :	(20°C) 100 Wt%
Viscosity :	( 20 °C ) mPa.s

## 9.2 Other information

None

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## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Exothermic reaction with: Oxidizing agent. Strong acid Strong alkali

### 10.6 Hazardous decomposition products

Decomposition with: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

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## SECTION 11. TOXICOLOGICAL INFORMATION

This mixture is classified as dangerous according to 1999/45/EC. This mixture is classified as hazardous according to regulation (EC) No.

1272/2008 [CLP]. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### 11.1 Information on toxicological effects

Harmful by inhalation. May cause damage to organs through prolonged or repeated exposure. Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

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## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic toxicity  
Harmless to aquatic organisms up to the tested concentration

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII

### 12.6 Other adverse effects

The evaluation was carried out according to the calculation method of the preparation directive.

### 12.7 Further ecological information

None

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## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Clean IBCs or drums at approved facility only. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

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## SECTION 14. TRANSPORT INFORMATION

### 14.1 UN number

No dangerous good in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous good in sense of this transport regulation.

### 14.3

#### Transport hazard class(es)

Land transport (ADR/RID)  
Not subject to ADR/RID.

Class(es) :  
Sea transport (IMDG)  
Not subject to IMDG code.

Class(es) :  
Air transport (ICAO-TI / IATA-DGR)  
Not subject to IATA regulations.

Class(es) :

### 14.4 Packing group

No dangerous good in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous good in sense of this transport regulation.

### 14.6 Special precautions for user

None

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## SECTION 15. REGULATORY INFORMATION

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

National regulations  
Water hazard class (WGK)  
Class : 1 (Slightly hazardous to water) Classification according to VwVwS

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16. OTHER INFORMATION

### 16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling (67/548/EEC or 1999/45/EC) -Hazard components for labelling · 03. Hazardous ingredients · 08. Occupational exposure limit values

## 16.2 Abbreviations and acronyms

None

## 16.3 Key literature references and sources for data

None

## 16.5 Relevant R-, H-and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
22	Harmful if swallowed.

## 16.6 Training advice

None

## 16.7 Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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