

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RADEX Antihologram Compound

Revision date: 28.03.2018

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

#### 1.1. Product identifier

RADEX Antihologram Compound

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

##### Use of the substance/mixture

Automotive care products

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

Company name: RADEX-EUROPE Ltd.  
 Street: Uriekstes street 3  
 Place: LV-1005 Riga - Latvia  
 Contact person: Edijs Barojans Telephone: +37167387778  
 e-mail: edijs@radex-europe.lv

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Precautionary statements

P102 Keep out of reach of children.

##### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	hydrocarbons, C11- C14, n-alkanes, isoalkanes, cycloalkanes , 2 % aromatics			15 - < 20 %
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304 EUH066			

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

##### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor.

### 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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

Full water jet

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

No special measures are necessary.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures are necessary. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

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#### Further information on handling

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

##### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

##### Hints on joint storage

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

##### Further information on storage conditions

Recommended storage temperature: 15-25°C

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

Automotive care products

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1344-28-1	aluminium oxide			
	Worker DNEL, long-term	inhalation	local	15,6 mg/m <sup>3</sup>
	Consumer DNEL, long-term	oral	systemic	6,2 mg/kg bw/day
56-81-5	glycerol			
	Consumer DNEL, long-term	oral	systemic	229 mg/kg bw/day
	Worker DNEL, long-term	inhalation	local	56 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	33 mg/m <sup>3</sup>

#### PNEC values

CAS No	Substance	Value
	Environmental compartment	
1344-28-1	aluminium oxide	
	Freshwater	0,0749 mg/l
	Micro-organisms in sewage treatment plants (STP)	20 mg/l
56-81-5	glycerol	
	Freshwater	0,885 mg/l
	Marine water	0,00885 mg/l
	Freshwater sediment	3,3 mg/kg
	Marine sediment	0,33 mg/kg
	Soil	0,141 mg/kg

### 8.2. Exposure controls

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#### Appropriate engineering controls

Use only in well-ventilated areas.

#### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### Eye/face protection

Wear eye protection/face protection.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves must be worn.

Recommended glove articles: HyFlex® Foam (EN 420, EN 388 (3131)).

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	white
Odour:	characteristic
pH-Value (at 20 °C):	7,8
<b>Changes in the physical state</b>	
Melting point:	not determined
Initial boiling point and boiling range:	100 °C
Flash point:	>61 °C
<b>Flammability</b>	
Solid:	not determined
Gas:	not applicable
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	7 vol. %
Ignition temperature:	>200 °C
<b>Auto-ignition temperature</b>	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined

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**Oxidizing properties**

Not oxidising.

Vapour pressure: 0,4 hPa  
(at 20 °C)Density (at 20 °C): 0,96 g/cm<sup>3</sup>Water solubility: completely miscible  
(at 20 °C)**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 7000-12000 mPa·s  
(at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 23,00 %

**9.2. Other information**

Solid content: not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Only use the material in places where open light, fire and other flammable sources can be kept away.

**10.5. Incompatible materials**

Oxidising agent. Strong acid. Strong alkali.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	hydrocarbons, C11- C14, n-alkanes, isoalkanes, cycloalkanes , 2 % aromatics				
	oral	LD50 >5000 mg/kg	Ratte		OECD 401
	dermal	LD50 >5000 mg/kg	Kaninchen	ECHA	OECD 402
	inhalation vapour	LC50 >5000 mg/l	Rat	ECHA	OECD 403

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	hydrocarbons, C11- C14, n-alkanes, isoalkanes, cycloalkanes , 2 % aromatics					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	
	Acute crustacea toxicity	EC50 >10000 mg/l	48 h	Chaetogammarus marinus	ECHA	
	Algae toxicity	NOEC 1000 mg/l	3 d	Pseudokirchneriella subcapitata	ECHA	
	Crustacea toxicity	NOEC 1,22 mg/l	21 d	Daphnia magna (Big water flea)	ECHA	

### 12.2. Persistence and degradability

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	hydrocarbons, C11- C14, n-alkanes, isoalkanes, cycloalkanes , 2 % aromatics			
	OECD 301 F	69 %	28	ECHA
	Readily biodegradable (according to OECD criteria).			

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#### **12.3. Bioaccumulative potential**

The product has not been tested.

#### **12.4. Mobility in soil**

The product has not been tested.

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

The product has not been tested.

#### **12.6. Other adverse effects**

No information available.

#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC):	15 % (144 g/l)
2004/42/EC (VOC):	15,005 % (144,043 g/l)

##### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

##### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,15.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.

#### Further 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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**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Formulation or re-packing	F	-	-	8a, 9	2	-	-	
2	Automotive care products, Industrial uses	IS	-	-	7, 10, 17	4	-	-	
3	Automotive care products, Professional uses	PW	-	-	10, 11, 17	8a	-	-	
4	Automotive care products, Consumer use	C	-	31	-	8a	-	-	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*