Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

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

· 1.1 Product identifier

· Trade name: <u>RADEX 210 UBC</u>

• 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

· Application of the substance / the mixture Anticorrosion additive

 $\cdot$  1.3 Details of the supplier of the safety data sheet

• *Manufacturer/Supplier:* RADEX-Europe LTD Uriekstes iela 3, Riga, Latvija, LV-1005 Tel.: +37167387778 FAX: +37167387789 info@radex-europe.lv

• Further information obtainable from: Product safety Department

• 1.4 Emergency telephone number: Tel: +37167387778

SECTION 2: Hazards identification	
• 2.1 Classification of the substance or mixture	
· Classification according to Regulation (EC) No 1272/2008	
GHS02	
Flam. Liq. 3 H226 Flammable liquid and vapour.	
GHS08	
STOT RE 2 H373 May cause damage to the central nervous system through prolo exposure,	· ·
GHS07	
STOT SE 3 H336 May cause drowsiness or dizziness.	
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.	
<ul> <li>2.2 Label elements</li> <li>Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.</li> <li>Hazard pictograms</li> </ul>	
GHS02 GHS07 GHS08	
· Signal word Warning	
· Hazard-determining components of labelling:	
Naphtha (petroleum), hydrotreated light	
Naphtha (petroleum), hydrodesulfurized heavy	
Solvent naphtha (petroleum), light arom.	
· Hazard statements	
H226 Flammable liquid and vapour.	
H336 May cause drowsiness or dizziness.	(Contd. on page 2)

*Printing date 03.03.2020* 

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

	(Contd. of page 1)
H373 May cause d	amage to the central nervous system through prolonged or repeated exposure.
H412 Harmful to a	quatic life with long lasting effects.
· Precautionary stat	ements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	<sup>2</sup> IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Additional inform	ution:
EUH066 Repeated	exposure may cause skin dryness or cracking.
2201 1	

#### · 2.3 Other hazards

*The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).* 

### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## **SECTION 3: Composition/information on ingredients**

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with additions.

· Dangerous components:		
<u>CAS: 64742-49-0</u>	Naphtha (petroleum), hydrotreated light	<u>10-&lt;25%</u>
<u>EC number: 927-241-2</u>	Alternative CAS number: 1174921-73-3	
<u>Reg.nr.: 01-2119471843-32</u>	🚸 Flam. Liq. 3, H226; 😵 Asp. Tox. 1, H304; 🕔 STOT SE 3,	
	H336; Aquatic Chronic 3, H412	
<u>CAS: 64742-82-1</u>	Naphtha (petroleum), hydrodesulfurized heavy	<u>5-&lt;10%</u>
<u>EC number: 919-446-0</u>	👰 <u>Flam. Liq. 3, H226; 🚸 STOT RE 1, H372; Asp. Tox. 1, H304;</u>	
<u>Reg.nr.: 01-2119458049-33</u>	<u> </u>	
<u>CAS: 64742-95-6</u>	Solvent naphtha (petroleum), light arom.	<u>5-&lt;10%</u>
<u>EC number: 918-668-5</u>	Elam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic	
<u>Reg.nr.: 01-2119455851-35</u>	2, H411; () STOT SE 3, H335-H336	
<u>CAS: 64742-95-6</u>	Solvent naphtha (petroleum), light arom.	<u>5-&lt;10%</u>
<u>EC number: 918-668-5</u>	Elam. Liq. 3, H226; 🕹 Asp. Tox. 1, H304; 🍄 Aquatic Chronic	
<u>Reg.nr.: 01-2119455851-35</u>	2, H411; 🚯 STOT SE 3, H335-H336	
<u>CAS: 108-32-7</u>	Propylene carbonate	<u>1-&lt;3%</u>
<u>EINECS: 203-572-1</u>	<u> Eye Irrit. 2, H319</u>	
<u>Reg.nr.: 01-2119537232-48</u>		
• Additional information: For	the wording of the listed hazard phrases refer to section 16.	1

# **SECTION 4: First aid measures**

• 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air or oxygen; call for doctor.

• After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 3)

GB

(Contd. of page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

- · After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- $\cdot$  4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### **SECTION 5: Firefighting measures**

#### · 5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- $\cdot$  5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

• Additional information Cool endangered receptacles with water spray.

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

6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin, eyes and clothes.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Use only in well ventilated areas.

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

(Contd. on page 4)

Printing date 03.03.2020

\*

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

(Contd. of page 3)

<b>SECTIO</b>	N 8: Exposure controls/personal	protect	ion
• <u>Additional</u>	information about design of technical f	acilities:	No further data; see item 7.
• <u>8.1 Contro</u>	l parameters		
	s with limit values that require monitoring		
*	• •	<u>itities of</u>	materials with critical values that have to be
	at the workplace.		
DNELs			
CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light			
<u>Oral</u>	Long-term - systemic effects, general pop	<u>pulation</u>	<u>125 mg/kg bw/day (General Population)</u>
<u>Dermal</u>	Long-term - systemic effects, worker		<u>208 mg/kg bw/day (Worker)</u>
	Long-term - systemic effects, general pop	oulation_	<u>125 mg/kg bw/day (General population)</u>
<u>Inhalative</u>	Long-term - systemic effects, worker		<u>871 mg/m3 (Worker)</u>
	Long-term - systemic effects, general pop	<u>pulation</u>	<u>185 mg/m3 (General Population)</u>
CAS: 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy			
<u>Oral</u>	Long-term - systemic effects, general pop	oulation	26 mg/kg bw/day (General Population)
<u>Dermal</u>	Long-term - systemic effects, worker		44 mg/kg bw/day (Worker)
	Long-term - systemic effects, general pop	pulation	26 mg/kg bw/day (General population)
<u>Inhalative</u>	Long-term - systemic effects, worker		<u>330 mg/m3 (Worker)</u>
	Long-term - systemic effects, general pop	oulation	71 mg/m3 (General Population)
CAS: 6474	2-95-6 Solvent naphtha (petroleum), lig	ht arom.	
Oral         Long-term - systemic effects, general population           Dermal         Long-term - systemic effects, worker		11 mg/kg bw/day (General Population)	
		25 mg/kg bw/day (Worker)	
	Long-term - systemic effects, general pop	oulation	11 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker		150 mg/m3 (Worker)
	Long-term - systemic effects, general pop	oulation	32 mg/m3 (General Population)
CAS: 6474	2-95-6 Solvent naphtha (petroleum), lig		
Oral	Long-term - systemic effects, general pop		11 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker		25 mg/kg bw/day (Worker)
	Long-term - systemic effects, general pop	oulation	11 mg/kg bw/day (General population)
<u>Inhalative</u>	Long-term - systemic effects, worker		<u>150 mg/m3 (Worker)</u>
<b>PNECs</b>			
CAS: 108-	32-7 Propylene carbonate		
Aquatic co.	mpartment - freshwater	<u>0.9 mg/l</u>	r 
		<u>0.09 mg</u>	<u>/L</u>
Aquatic co.	mpartment - water, intermittent releases	<u>9 mg/L</u>	
<u>Terrestrial</u>	compartment - soil	<u>0.81 mg</u>	<u>/kg dw</u>
<u>Sewage tre</u>	atment plant	<u>7,400 m</u>	<u>g/L</u>
÷	information: The lists valid during the n	aking we	ere used as basis.
• <u>8.2 Exposi</u>	ure controls		
· Personal p	rotective equipment:		
	rotective and hygienic measures:		
	<i>from foodstuffs, beverages and feed.</i>	thing	
	ly remove all soiled and contaminated clo ls before breaks and at the end of work.	<u>nning</u>	
	ective clothing separately.		
			(Contd. on page 2

(Contd. of page 4)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

#### Trade name: RADEX 210 UBC

· Respiratory protection:



#### · Protection of hands:

Not required.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber

*Recommended thickness of the material:*  $\geq 0,12$  *mm* 

#### · Penetration time of glove material

> 480 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

· Body protection: Use protective suit.

## **SECTION 9: Physical and chemical properties**

• 9.1 Information on basic physical and chemical prop	erties
---	--------

· General Information

· Appearance:	
Form:	Fluid
Colour:	<u>Black</u>
· <u>Odour:</u>	<i>Characteristic</i>
• Odour threshold:	Not determined.
· <u>pH-value:</u>	Not determined.
· <u>Change in condition</u>	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling rang	<u>re: 135 °C</u>
· <u>Flash point:</u>	<u>29 °C (DIN 53213)</u>
· <u>Flammability (solid, gas):</u>	Not applicable.
· Ignition temperature:	<u>&gt;200 °C</u>
· Decomposition temperature:	Not determined.
• Auto-ignition temperature:	Product is not selfigniting.
• Explosive properties:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
	(Contd. on page 6)

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

	(Contd. of page 5)
· <u>Explosion limits:</u>	
Lower:	<u>0.8 Vol %</u>
<u>Upper:</u>	<u>6 Vol %</u>
• Vapour pressure At 20 •C:	<u>5 hPa</u>
• Vapour pressure At 50 •C:	<u>30 hPa</u>
· Density At 20 •C:	<u>1.03 g/cm<sup>3</sup> (DIN 51757)</u>
· <u>Relative density</u>	Not determined.
Vapour density	Not determined.
• Evaporation rate	Not determined.
<ul> <li><u>Solubility in / Miscibility with</u></li> </ul>	
water:	Not miscible or difficult to mix.
• Partition coefficient: n-octanol/water:	Not determined.
· <u>Viscosity:</u>	
Dynamic At 20 °C:	<u>3,500 mPas</u>
<u>Kinematic:</u>	Not determined.
· Solvent content:	
Organic solvents:	<u>40.9 %</u>
Water:	<u>0.1 %</u>
Solids content:	<u>59.0 % (DIN 53216)</u>
· <u>9.2 Other information</u>	No further relevant information available.
• <u>VOC (EU):</u>	<u>40.90 %</u>
• <u>VOC (EU):</u>	<u>421.2 g/l</u>
• <u>VOCV:</u>	<u>40.90 %</u>

## **SECTION 10: Stability and reactivity**

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide

## **SECTION 11: Toxicological information**

· 11.1 Information on toxicological effects

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

	LD50	
Dominal		<u>4,951 mg/kg (RAT)</u>
<u>Dermal</u> 1	LD50	>5,000 mg/kg (RABBIT)
Inhalative 1	<u>LC50/4 h</u>	4,951 mg/l (RAT)
CAS: 64742	2-82-1 Nap	htha (petroleum), hydrodesulfurized heavy
<u>Oral</u>	<u>LD50</u>	>15,000 mg/kg (RAT)
<u>Dermal</u>	<u>LD50</u>	3,400 mg/kg (RABBIT)
CAS: 64742	2-95-6 Solv	ent naphtha (petroleum), light arom.
<u>Oral</u>	<u>LD50</u>	<u>3,492 mg/kg (RAT)</u>

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

<u>Dermal</u>			
Dermal	1		td. of page
	<u>LD50</u>	<u>&gt;3,160 mg/kg (RABBIT)</u>	
<u>Inhalative</u>		<u>&gt;6,193 mg/l (RAT)</u>	
		vent naphtha (petroleum), light arom.	
<u>Dermal</u>			
CAS: 108-32-7 Propylene carbonate			
<u>Oral</u>	<u>LD50</u>	<u>33,520 mg/kg (RAT)</u>	
<u>Dermal</u>	<u>LD50</u>	>2,000 mg/kg (RABBIT)	
	<u>LC50/96 h</u>	>1,000 mg/l (CYPRINUS CARPIO)	
Serious eye damage/irritation Based on available data, the classification criteria are not met. Respiratory or skin sensitisation Based on available data, the classification criteria are not met. Additional toxicological information: No further relevant information available. CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) Germ cell mutagenicity Based on available data, the classification criteria are not met. Carcinogenicity Based on available data, the classification criteria are not met. Reproductive toxicity Based on available data, the classification criteria are not met. STOT-single exposure May cause drowsiness or dizziness. STOT-repeated exposure May cause damage to the central nervous system through prolonged or repeated exposure.			
<b>SECTIO</b>	N 12: Eco	sed on available data, the classification criteria are not met. ological information	
· 12.1 Toxic	rity		
12.1 Toxic Aquatic to.	rity <u>xicity:</u>	ological information	
12.1 Toxic <u>Aquatic to</u> CAS: 6474	ity <u>xicity:</u> 12-49-0 Nap	ological information ohtha (petroleum), hydrotreated light	
• 12.1 Toxic • <u>Aquatic to</u> <u>CAS: 6474</u> EL50/48 h	ity <u>xicity:</u> <b>12-49-0 Nap</b>  >22-<46 1	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA)	
• <b>12.1 Toxic</b> • <u>Aquatic to.</u> • <u>CAS: 6474</u> • <u>EL50/48 h</u> • <u>EL50/72 h</u>	ity <u>xicity:</u> [2-49-0 Nap  >22-<46 1  >1,000 mg	ological information Phtha (petroleum), hydrotreated light mgЛ (DAPHNIA MAGNA) gЛ (ALGAE)	
12.1 Toxic Aquatic to. CAS: 6474 EL50/48 h EL50/72 h CAS: 6474	ity <u>xicity:</u> 12-49-0 Nap 22-<46 1 21,000 mg 12-82-1 Nap	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy	
12.1 Toxic Aquatic to. CAS: 6474 EL50/48 h EL50/72 h CAS: 6474 EC50/48 h	ity <u>xicity:</u> 12-49-0 Nap 22-<46 1 21,000 mg 12-82-1 Nap 10-22 mg/	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA)	
12.1 Toxic Aquatic to. CAS: 6474 EL50/48 h EL50/72 h CAS: 6474 EC50/48 h	ity <u>xicity:</u> 12-49-0 Nap 22-<46 1 21,000 mg 12-82-1 Nap	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA)	
12.1 Toxic Aquatic to. CAS: 6474 EL50/48 h EL50/72 h CAS: 6474 EC50/48 h EC50/72 h	ity <u>xicity:</u> 12-49-0 Nap 22-<46 1 21,000 mg 12-82-1 Nap 10-22 mg/	ological information ohtha (petroleum), hydrotreated light mgЛ (DAPHNIA MAGNA) gЛ (ALGAE) ohtha (petroleum), hydrodesulfurized heavy 1 (DAPHNIA MAGNA) Л (ALGAE)	
12.1 Toxic Aquatic to. CAS: 6474 EL50/48 h EL50/72 h CAS: 6474 EC50/48 h EC50/72 h EC50/96 h	ity <u>xicity:</u>  2-49-0 Nap  22-<46 1  21,000 mg  2-82-1 Nap  10-22 mg/  4.6-10 mg/  10-30 mg/	ological information ohtha (petroleum), hydrotreated light mgЛ (DAPHNIA MAGNA) gЛ (ALGAE) ohtha (petroleum), hydrodesulfurized heavy 1 (DAPHNIA MAGNA) Л (ALGAE)	
• 12.1 Toxic • <u>Aquatic to.</u> CAS: 6474 EL50/48 h EL50/72 h CAS: 6474 EC50/48 h EC50/72 h EC50/96 h CAS: 6474	ity <u>xicity:</u> <u>2-49-0 Nap</u> <u>22-&lt;46 1</u> <u>10-00 mg</u> <u>10-22 mg/1</u> <u>4.6-10 mg/1</u> <u>10-30 mg/1</u> <u>10-30 mg/1</u> <u>10-95-6 Solv</u>	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA) /l (ALGAE) L (Fish)	
<ul> <li>12.1 Toxic</li> <li><u>Aquatic to:</u></li> <li><u>CAS: 6474</u></li> <li><u>EL50/48 h</u></li> <li><u>EL50/72 h</u></li> <li><u>CAS: 6474</u></li> <li><u>EC50/48 h</u></li> <li><u>EC50/72 h</u></li> <li><u>EC50/96 h</u></li> <li><u>CAS: 6474</u></li> <li><u>LL50/96 h</u></li> </ul>	ity <u>xicity:</u> <u>2-49-0 Nap</u> <u>2-&lt;46 1</u> <u>&gt;1,000 mg</u> <u>10-22 mg/1</u> <u>4.6-10 mg/</u> <u>10-30 mg/</u> <u>10-30 mg/1</u> <u>12-95-6 Solv</u> <u>9.2 mg/1 (S</u>	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA) /l (ALGAE) L (Fish) vent naphtha (petroleum), light arom.	
<ul> <li>12.1 Toxic</li> <li><u>Aquatic to.</u></li> <li><u>CAS: 6474</u></li> <li><u>EL50/48 h</u></li> <li><u>EL50/72 h</u></li> <li><u>CAS: 6474</u></li> <li><u>EC50/72 h</u></li> <li><u>EC50/96 h</u></li> <li><u>CAS: 6474</u></li> <li><u>LL50/96 h</u></li> <li><u>EL50/48 h</u></li> </ul>	ity <u>xicity:</u> <u>2-49-0 Nap</u> <u>2-49-0 Nap</u> <u>2-82-1 Nap</u> <u>10-22 mg/l</u> <u>4.6-10 mg/</u> <u>10-30 mg/l</u> <u>12-95-6 Solv</u> <u>9.2 mg/l (1</u> )	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA) /l (ALGAE) /l (ALGAE) /l (Fish) vent naphtha (petroleum), light arom. SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)	
• 12.1 Toxic • <u>Aquatic to.</u> • <u>Aquatic to.</u> • <u>CAS: 6474</u> • <u>EL50/48 h</u> • <u>EL50/72 h</u> • <u>EC50/48 h</u> • <u>EC50/96 h</u> • <u>CAS: 6474</u> • <u>LL50/96 h</u> • <u>EL50/48 h</u> • <u>EL50/48 h</u>	ity <u>xicity:</u> <u>2-49-0 Nap</u> <u>2-49-0 Nap</u> <u>2-49-0 Nap</u> <u>2-82-1 Nap</u> <u>10-22 mg/l</u> <u>10-30 mg/l</u> <u>10-30 mg/l</u> <u>12-95-6 Solv</u> <u>3.2 mg/l (1</u> <u>32-7 Propyl</u>	ological information ohtha (petroleum), hydrotreated light mg/l (DAPHNIA MAGNA) g/l (ALGAE) ohtha (petroleum), hydrodesulfurized heavy l (DAPHNIA MAGNA) /l (ALGAE) L (Fish) vent naphtha (petroleum), light arom. SALMO GAIRDNERI / ONCORHYNCHUS MYKISS) DAPHNIA MAGNA)	

· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

• 12.5 Results of PBT and vPvB assessment

• **PBT:** Not applicable.

(Contd. on page 8)

<sup>&</sup>lt;del>GB</del>

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

· vPvB: Not applicable.

• 12.6 Other adverse effects No further relevant information available.

## **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods

 $\cdot$  Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of as dangerous waste.

•	<u>Euro</u>	pean	waste	catal	ogue

-	
<u>08 01 11*</u>	waste paint and varnish containing organic solvents or other hazardous substances
<u>HP3</u>	<u>Flammable</u>
<u>HP5</u>	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
<u>HP14</u>	Ecotoxic
	L

· Uncleaned packaging:

\*

• *Recommendation:* Disposal must be made according to official regulations.

SECTION 14: Transport information	
· <u>14.1 UN-Number</u> · <u>ADR/RID/ADN, ADN, IMDG</u> · <u>IATA</u>	<u>Void</u> <u>UN1139</u>
· <u>14.2 UN proper shipping name</u> · <u>ADR/RID/ADN, IMDG</u> · <u>IATA</u>	<u>Void</u> <u>COATING SOLUTION</u>
<ul> <li><u>14.3 Transport hazard class(es)</u></li> <li><u>ADR/RID/ADN, ADN, IMDG</u></li> <li><u>Class</u></li> </ul>	<u>Void</u>
· <u>IATA</u>	
· <u>Class</u> · Label	<u>3 Flammable liquids.</u> <u>3</u>
· <u>14.4 Packing group</u> · <u>ADR/RID/ADN, IMDG</u> · <u>IATA</u>	<u>Void</u> <u>III</u>
· <u>14.5 Environmental hazards:</u> · <u>Marine pollutant:</u>	<u>No</u>
• 14.6 Special precautions for user	<u>Not applicable.</u>
• <u>14.7 Transport in bulk according to Anne x II</u> <u>Marpol and the IBC Code</u>	<u>l of</u> <u>Not applicable.</u>
• Transport/Additional information:	<u>Tansport classification ADR/IMGD is based on packaging</u> <u>&gt;30ltr(IMDG)</u> , <450ltr(ADR). <u>For other packaging untis different classification can</u> <u>apply.</u>
	(Contd. on page

(Contd. of page 7)

(Contd. of page 8)

# Safety data sheet according to 1907/2006/EC, Article 31

Version number 24

Revision: 20.11.2019

Trade name: RADEX 210 UBC

Printing date 03.03.2020

· UN ''Model Regulation'':

Void

# **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation.
- <u>Hazard pictograms</u>



#### · Signal word Warning

- Hazard-determining components of labelling:
- Naphtha (petroleum), hydrotreated light
- Naphtha (petroleum), hydrodesulfurized heavy
- Solvent naphtha (petroleum), light arom.
- Hazard statements
- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to the central nervous system through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
- <u>P210</u> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No <u>smoking.</u>
- <u>P243</u> Take action to prevent static discharges.

<u>P280</u>	<u>Wear protective gloves/protective clothing/eye protection/face protection.</u>	
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with		
	water [or shower].	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	
P405	Store locked up.	

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· <u>Seveso category P5c FLAMMABLE LIQUIDS</u>

 $\cdot$  Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations:

· Technical instructions (air):

 Class
 Share in %

 NK
 40.9

• Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 10)

Printing date 03.03.2020

Version number 24

Revision: 20.11.2019

# Trade name: RADEX 210 UBC

	(Contd. of page 9)
Relevant phrases	
H226 Flammable liquid and vapour.	
H304 May be fatal if swallowed and enters airways.	
H319 Causes serious eye irritation.	
H335 May cause respiratory irritation.	
<u>H336 May cause drowsiness or dizziness.</u>	
H372 Causes damage to the central nervous system through prolonged or repeated exposu	re.
H411 Toxic to aquatic life with long lasting effects.	<u> </u>
· · · · · · · ·	
<u>H412 Harmful to aquatic life with long lasting effects.</u>	
Department issuing SDS: Product safety department.	
<b>Contact:</b> info@radex-europe.lv	
Abbreviations and acronyms:	
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concer Carriege of Dengeneue Coold hy Bogd)	ning the International
<u>Carriage of Dangerous Goods by Road)</u> IMDG: International Maritime Code for Dangerous Goods	
<u>IATA: International Air Transport Association</u> GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
EINECS: European Inventory of Existing Commercial Chemical Substances	
<u>ELINCS: European List of Notified Chemical Substances</u> CAS: Chemical Abstracts Service (division of the American Chemical Society)	
<u>DNEL: Derived No-Effect Level (REACH)</u>	
<u>PNEC: Predicted No-Effect Concentration (REACH)</u>	
<u>LC50: Lethal concentration, 50 percent</u> LD50: Lethal dose, 50 percent	
<u>PBT: Persistent, Bioaccumulative and Toxic_</u> vPvB: very Persistent and very Bioaccumulative	
VIVB: Very Persisient and Very Bioaccumulative Flam, Lig. 3: Flammable liquids – Category 3	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
<u>Eye Irrit. 2: Serious eye damage/eye irritation – Category 2</u> STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
<u>STOT SE 5: Specific target organ toxicity (single exposure) – Category 5</u> STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1	
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
<u>STOT RE 2: Specific larget organ loxicity (repeated exposure) – Calegory 2</u> Asp. Tox. 1: Aspiration hazard – Category 1	
<u>Asp. 10x. 1: Aspiration hazara – Category 1</u> Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	
Aquatic Chronic 2: Hazardous to the aquatic environment - tong-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
• * Data compared to the previous version altered.	