

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

Printing date 20.08.2019

Version number 33

Revision: 20.08.2019

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

- **1.1 Product identifier**
- **Trade name:RADEX 310 SP BLACK**
- **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
- **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. 2 H225 Highly flammable liquid and vapour.



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS02 GHS07 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated light
Ethyl acetate
Solvent naphtha (petroleum), light arom.
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.



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- H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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.

2.3 Other hazards**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:

CAS: 64742-49-0 EC number: 927-510-4 Reg.nr.: 01-2119475515-33	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	10-<25%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	Ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
CAS: 64742-49-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	5-<10%
CAS: 64742-49-0 EC number: 920-750-0 Reg.nr.: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	5-<10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	3-<5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
 Immediately wash with water and soap and rinse thoroughly.
 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.
- **After swallowing:** If symptoms persist consult doctor.

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- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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:**
Sand. Do not use water.
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **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**
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.
Do not flush with water or aqueous cleansing agents
- **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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

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· 7.3 **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.· 8.1 **Control parameters**· **Ingredients with limit values that require monitoring at the workplace:****CAS: 141-78-6 Ethyl acetate**

WEL	Short-term value: 1468 mg/m ³ , 400 ppm
	Long-term value: 734 mg/m ³ , 200 ppm

· **Regulatory information** WEL: EH40/2018· **DNELs****CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	Long-term - systemic effects, general population	149 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	300 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	149 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	2,085 mg/m ³ (Worker)
	Long-term - systemic effects, general population	477 mg/m ³ (General Population)

CAS: 141-78-6 Ethyl acetate

Oral	Long-term - systemic effects, general population	4.5 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	63 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	37 mg/kg bw/day (General population)
Inhalative	Acute - Local effects, worker	1,468 mg/m ³ (Worker)
	Long-term - systemic effects, worker	734 mg/m ³ (Worker)
	Long-term - local effects, worker	734 mg/m ³ (Worker)
	Acute - systemic effects, general population	734 mg/m ³ (General Population)
	Acute - systemic effects, worker	1,468 mg/m ³ (Worker)
	Acute - local effects, general population	734 mg/m ³ (General Population)
	Long-term - systemic effects, general population	367 mg/m ³ (General Population)
	Long-term - local effects, general population	367 mg/m ³ (General Population)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	2,035 mg/m ³ (Worker)
	Long-term - systemic effects, general population	608 mg/m ³ (General Population)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	2,035 mg/m ³ (Worker)
	Long-term - systemic effects, general population	608 mg/m ³ (General Population)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	Long-term - systemic effects, general population	11 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	25 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	11 mg/kg bw/day (General population)

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Inhalative	Long-term - systemic effects, worker	150 mg/m ³ (Worker)
	Long-term - systemic effects, general population	32 mg/m ³ (General Population)
· PNECs		
CAS: 141-78-6 Ethyl acetate		
Aquatic compartment - freshwater	0.24 mg/L (not specified)	
Aquatic compartment - marine water	0.024 mg/L (not specified)	
Aquatic compartment - water, intermittent releases	1.65 mg/L	
Aquatic compartment - sediment in freshwater	1.15 mg/kg sed dw (not specified)	
Aquatic compartment - sediment in marine water	0.115 mg/kg sed dw (not specified)	
Terrestrial compartment - soil	0.148 mg/kg dw	

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**



Filter A

· **Protection of hands:**



Protective gloves

· **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.

Fluorocarbon rubber (Viton)

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 properties**

· **General Information**

· **Appearance:**

Form: Fluid

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Colour:	Black
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	75-77.5 °C
· Flash point:	-9 °C (DIN 53213)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	>200 °C
· 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.
· Explosion limits:	
Lower:	1 Vol %
Upper:	11.5 Vol %
· Vapour pressure At 20 °C:	98 hPa
· Vapour pressure At 50 °C:	306 hPa
· Density At 20 °C:	1.04 g/cm ³ (DIN 51757)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic At 20 °C:	690 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	52.9 %
Solids content:	47.1 % (DIN 53216)
· 9.2 Other information	No further relevant information available.
· VOC (EU):	52.91 %
· VOC (EU):	550.3 g/l
· VOCV:	52.91 %

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

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:****CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>5,840 mg/kg (RAT)
Dermal	LD50	>2,920 mg/kg (RAT)
Inhalative	LC50/4 h	>23.3 mg/l (RAT)

CAS: 141-78-6 Ethyl acetate

Oral	LD50	>2,000 mg/kg (RABBIT)
Dermal	LD50	>20,000 mg/kg (RABBIT)
Inhalative	LC50/4 h	30 mg/l (RAT)
	LC50/96 h	230 mg/l (pimephales promelas)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,840 mg/kg (RAT)
Dermal	LD50	>2,920 mg/kg (RABBIT)
Inhalative	LC50/4 h	>25.2 mg/l (RAT)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (RAT)
Dermal	LD50	>2,800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	3,492 mg/kg (RAT)
Dermal	LD50	>3,160 mg/kg (RABBIT)
Inhalative	LC50/4 h	>6,193 mg/l (RAT)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** No further relevant information available.
- **CMR effects (carcinogenicity, 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** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

LL50/96 h	>13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h	3 mg/l (DAPHNIA MAGNA)
EL50/72 h	10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

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CAS: 141-78-6 Ethyl acetate

EC50/48 h 5,600 mg/l (ALGAE)
610 mg/l (DAPHNIA MAGNA)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

LL50/96 h 11.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EC50/48 h 10 mg/l (PHAEOPHYTA)
EL50/48 h 3 mg/l (DAPHNIA MAGNA)
EL50/72 h 30-100 mg/l (SELENASTRUM CAPRICORNUTUM)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

LL50/96 h >13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h 3 mg/l (DAPHNIA MAGNA)
EL50/72 h 10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

LL50/96 h 9.2 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h 3.2 mg/l (DAPHNIA MAGNA)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose of as dangerous waste.

· **European waste catalogue**

HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR/RID/ADN, IMDG, IATA 	<p align="center">UN1139</p>	
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN · IMDG · IATA 	<p align="center">1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, special provision 640D COATING SOLUTION (HEPTANES, Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT COATING SOLUTION</p>	
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG 	<div style="display: flex; align-items: center; justify-content: center;">   </div> <ul style="list-style-type: none"> · Class · Label 	<p align="center">3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center; justify-content: center;">  </div> <ul style="list-style-type: none"> · Class · Label 	<p align="center">3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID/ADN, IMDG, IATA 	<p align="center">II</p>	
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR/RID/ADN): 	<p align="center">Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light Yes Symbol (fish and tree) Symbol (fish and tree)</p>	
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category 	<p align="center">Warning: Flammable liquids. 33 F-E,<u>S-E</u> B</p>	
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	<p align="center">Not applicable.</p>	
<ul style="list-style-type: none"> · Transport/Additional information: 	<p align="center">Transport classification ADR/IMGD is based on packaging >30ltr(IMDG), <450ltr(ADR). For other packaging units different classification can apply.</p>	
<ul style="list-style-type: none"> · ADR/RID/ADN · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	<p align="center">5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E</p>	

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· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1139 COATING SOLUTION, SPECIAL PROVISION 640D, 3, II, ENVIRONMENTALLY HAZARDOUS

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.
- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated light
Ethyl acetate
Solvent naphtha (petroleum), light arom.
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation. H336
May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P243 *Take precautionary measures against static discharge.*
P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
P303+P361+P353 *IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
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.*
- **Seveso category**
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** *200 t*
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*
- **REGULATION (EC) No 1907/2006 ANNEX XVII** *Conditions of restriction: 3*

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· **National regulations:**· **Technical instructions (air):**

Class	Share in %
NK	52.9

· **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.

· **Relevant phrases***H225 Highly flammable liquid and vapour.**H226 Flammable liquid and vapour.**H304 May be fatal if swallowed and enters airways.**H315 Causes skin irritation.**H319 Causes serious eye irritation. H335**May cause respiratory irritation. H336**May cause drowsiness or dizziness.**H411 Toxic to aquatic life with long lasting effects.*· **Department issuing SDS:** Product safety department.· **Contact:** info@radex-europe.lv· **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 Harmonised 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 (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*· *** Data compared to the previous version altered.**