Conforms to Regulation	(EC) No. 1907/2006 (REACH), Annex II, as amended by Commission	on Regulation (EU)
2015/830 - Ireland			
Date of issue/ Date of	6/16/2020	Date of previous issue	· 6/16/2020

of issue/ date of revision

6/16/2020

Date of previous issue

0/10/2020



SAFETY DATA SHEET

RUISKUOHENNE

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

1.1 Product identifier

Product name	:	RUISKUOHENNE
EC number	:	927-510-4
CAS number	:	-
Product description	:	Thinner.

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

Identified uses	
Uses in Coatings - Industrial use. Thinner. Uses in Coatings - Professional use. Thinner.	

1.3 Details of the supplier of the safety data sheet

Manufacturer or Distributor

Tikkurila Oyj P.O. Box 53 FI-01301 VANTAA FINLAND Telephone +358 20 191 2000 e-mail address of person responsible for this SDS	Tikkurila Oyj, Product Safety, e-mail: productsafety@tikkurila.com	
1.4 Emergency telephone nun	r	
Telephone number	112 (24h)	
National advisory body/Poise	Centre	
Telephone number	National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days	s a week)
Supplier or Manufacturer		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : UVCB Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements

Date of issue/Date of revision	16.06.2020 Date of previous issue 16.06.2020. RUISKUOHENNE
Hazard pictograms	
Signal word	: Danger
Hazard statements	 H225 - Highly flammable liquid and vapour. H315 - Causes skin irritation. H304 - May be fatal if swallowed and enters airways. H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements	
General	 P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children.
Prevention	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing mist/spray. P261 - Avoid breathing vapour. P280 - Wear protective gloves. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
Response	 P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
Storage	: P405 - Store locked up.
Disposal	: Not applicable.
Hazardous ingredients	: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Supplemental label elements	: Not applicable.

2.3 Other hazards

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

3.1 Substances	: UVCB			
Product/ingredient name	Identifiers	%	<u>Classification</u> Regulation (EC) No. 1272/2008 [CLP]	Notes
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	EC: 927-510-4 CAS: -	100	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	-
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

SECTION 4: First aid measures

4.1 Description of first aid m	easures
General	: In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: Aspiration hazard if swallowed. Can enter lungs and cause damage. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	lse an extingu Icohol resista	ishing agent suitable for the surrounding fire. Recommended: ht foam, CO2, powders or water spray/mist.
Unsuitable extinguishing media	o not use a d	rect water jet that could spread the fire.
5.2 Special hazards arising fr	he substance	e or mixture
Hazards from the substance or mixture	ighly flammal xposure to de eavier than ai r confined are ack. Runoff t	le liquid and vapour. Fire will produce dense black smoke. composition products may cause a health hazard. The vapour/gas is and will spread along the ground. Vapours may accumulate in low as or travel a considerable distance to a source of ignition and flash sewer may create fire or explosion hazard.
Hazardous combustion products	/hen exposec roduced, such	to high temperatures, hazardous decomposition products may be as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.
5.3 Advice for firefighters		
Special protective actions for fire-fighters	love containe eep fire-expos ire water cont eing discharg	s from fire area if this can be done without risk. Use water spray to ed containers cool. This material is hazardous to aquatic organisms. aminated with this material must be contained and prevented from ed to any waterway, sewer or drain.
Special protective equipment for fire-fighters	ire-fighters sh reathing appa node.	ould wear appropriate protective equipment and self-contained ratus (SCBA) with a full face-piece operated in positive pressure

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	:	Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Avoid breathing vapour or mist. Avoid contact with skin and eyes. See Section 8 for information on appropriate personal protective equipment.
6.2 Environmental precautions	:	Hazardous to aquatic environment. Do not allow to enter drains, water courses or soil.
6.3 Methods and material for containment and cleaning up	:	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent. Avoid using solvents.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Yapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Isolate from sources of heat, sparks and open flame. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking tools should be used. Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. Wear appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.
7.2 Conditions for safe storage, including any incompatibilities	: Store in original container protected from direct sunlight in a dry, cool and well- ventilated area, away from incompatible materials (see Section 10) and food and drink. Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature is +5°C+25°C. Store in accordance with local regulations.
7.3 Specific end use(s)	: See Appendices: Uses in Coatings - Industrial use. Uses in Coatings - Professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

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Product/ingredient name	Туре	Exposure	Value	Population	Effects
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	DNEL	Long term Inhalation	2085 mg/ m³	Workers	Systemic
	DNEL	Long term Dermal	300 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	447 mg/m ³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	149 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Oral	149 mg/kg bw/day	General population [Consumers]	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
No PNECs available			

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof ventilation equipment. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn (see Personal protection). Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection	: Use safety eyewear designed to protect against splash of liquids (EN166).
Hand protection	 Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended glove material (EN374): > 8 hours (breakthrough time): nitrile rubber, laminated foil
Skin protection	: Wear suitable protective clothing. This product is classified as flammable. If necessary, personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
Respiratory protection	: If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist. During spray-application use respirators with combination filter A/P3 Wear a half mask or full face respirator with gas and vapour filter A and with dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.
Environmental exposure controls	: For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 1.2 for relevant identified uses of the substance or mixture and uses advised against.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: Clear.
Odour	: Strong.
Odour threshold	: Not relevant for the hazard assessment of the product.
рН	: Not relevant for the hazard assessment of the product.
Melting point/freezing point	: <-15°C
Initial boiling point and	: 87 to 110°C
bolling range	

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Flash point Evaporation rate Flammability (solid, gas)	: < 0°C : Not available. : Not applicable. Product is a	liquid.		
Upper/lower flammability or explosive limits	: Lower: 1.4% Upper: 7.6%			
Vapour pressure	: 6 kPa [room temperature]			
Vapour density	: >3 [Air = 1]			
Density	: 0.7 g/cm ³			
Solubility(ies)	: Slightly soluble.			
Partition coefficient: n-octanol/ water	: 2 to 7			
Auto-ignition temperature	: 260°C			
Decomposition temperature	: Not relevant for the hazard	assessment of the	product.	
Viscosity	: Kinematic (40°C): <2 mm ² /s	5		
Explosive properties	: No explosive ingredients pre	esent.		
Oxidising properties	: No oxidising ingredients pre	sent.		

9.2 Other information

No additional information.

SECTION 10: Stabilit	y	and reactivity
10.1 Reactivity	:	See Section 10.5.
10.2 Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	:	May present an explosion hazard when material is suspended in air in confined areas or equipment and subjected to spark, heat or flame.
10.4 Conditions to avoid	:	Avoid extreme heat and freezing. Avoid all possible sources of ignition (spark or flame).
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents strong acids strong alkalis
10.6 Hazardous decomposition products	:	When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting.

Acute toxicity

Not classified.

Irritation/Corrosion

Causes skin irritation.

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Sensitisation
Not classified.
Mutagenicity
Not classified.
Carcinogenicity
Not classified.
Reproductive toxicity
Not classified.
Teratogenicity
Not classified.
Specific target organ toxicity (single exposure)
May cause drowsiness or dizziness.

Product/ingredient name	Category	Route of exposure	Target organs
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure) Not classified.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Ecological testing has not been conducted on this product. Do not allow to enter drains, water courses or soil.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. Toxic to aquatic life with long lasting effects.

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics	Acute EC50 10 mg/l	Algae	72 hours
	Acute EC50 3 mg/l	Crustaceans	48 hours
	Acute LC50 13.4 mg/l	Fish	96 hours
	Chronic NOEC 0.17 mg/l	Crustaceans	21 days

12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	Bioconcentration factor [BCF]	Potential
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics	2 to 7	-	high

12.4 Mobility in soil

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Soil/water partition coefficient (Koc)	: Not available.			
Mobility	: Not available.			

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics	No	N/A	N/A	No	N/A	N/A	N/A

12.6 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: Remove as much product as possible from the tools before cleaning. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

Waste code	Waste designation	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal

: Empty cans should be disposed of in accordance with local regulations.

Special precautions

ions : None.

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number	UN1268	UN1268	UN1268
14.2 UN proper shipping name	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics)	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics)	Petroleum distillates, n.o.s. (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	111	111	
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Additional information

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ADR/RID	 The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Hazard identification number</u> 30 <u>Limited quantity</u> 5 L <u>Special provisions</u> 363, 664 <u>Tunnel code</u> (D/E)
IMDG	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Emergency schedules</u> F-E, S-E <u>Special provisions</u> 223, 363, 955
IATA	 The environmentally hazardous substance mark may appear if required by other transportation regulations. <u>Quantity limitation</u> Passenger and Cargo Aircraft: 60 L Packaging instructions: 355. Cargo Aircraft Only: 220 L Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L Packaging instructions: Y344. <u>Special provisions</u> A3
14.6 Special precautions for user	: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport in bulk according to IMO instruments	: Not available.
SECTION 15: Regulat	ory information
15.1 Safety, health and environ EU Regulation (EC) No. 1907 Other EU regulations	nmental regulations/legislation specific for the substance or mixture /2006 (REACH)
Europe inventory	: This material is listed or exempted.
15.2 Chemical safety assessment	: Complete.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

	•	
Abbreviations and acronyms	: ATE = A CLP = 0 1272/20 DMEL = DNEL = EUH sta PBT = F PNEC = RRN = vPvB =	Acute Toxicity Estimate Classification, Labelling and Packaging Regulation [Regulation (EC) No. 008] = Derived Minimal Effect Level = Derived No Effect Level atement = CLP-specific Hazard statement Persistent, Bioaccumulative and Toxic = Predicted No Effect Concentration REACH Registration Number Very Persistent and Very Bioaccumulative
Procedure used to derive th	e classificat	tion according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Classi	fication	Justification
Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411		Expert judgment Expert judgment Expert judgment Expert judgment Expert judgment
Full text of abbreviated H statements	: H225 H304 H315	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation

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Full text of classifications [CLP/GHS]	: Aquatic Chronic 2 Asp. Tox. 1 Flam. Liq. 2 Skin Irrit. 2 STOT SE 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Date of issue/ Date of revision	: 6/16/2020	
Date of previous issue Version	: 6/16/2020 : 2	

Notice to reader

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Annex to the extended Safety Data Sheet (eSDS)

Identification of the substance or mixture **Product definition** : UVCB Code : 0061032 **Product name** : RUISKUOHENNE Section 1 - Title Short title of the exposure : Uses in Coatings - Industrial use. scenario List of use descriptors : Identified use name: Uses in Coatings - Industrial use. Thinner. Process Category: PROC07, PROC08a, PROC08b, PROC10, PROC13 Substance supplied to that use in form of: As such Sector of end use: SU03 Subsequent service life relevant for that use: No. Environmental Release Category: ERC04 Market sector by type of chemical product: Not applicable. Article category related to subsequent service life: Not applicable. **Environmental** ERC4 • contributing scenarios **Health Contributing** : PROC7, PROC 8a, PROC8b, PROC10, PROC13, PROC15 scenarios **Processes and activities** : Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and covered by the exposure semi-bulk, application by spray, roller, spreader, dip, flow, fluidised bed on scenario production lines and film formation) and equipment cleaning, maintenance and associated laboratory activities.

Section 2 - Exposure controls

Contributing scenario contro	Contributing scenario controlling environmental exposure for 1: ERC4		
Product characteristics	:	Substance is complex UVCB. Predominantly hydrophobic	
Amounts used	:	Annual site tonnage 400 tonnes/year Maximum daily site tonnage 2000 kg/day	
Frequency and duration of use	:	Continuous release Emission days: 20	
Environment factors not influenced by risk management	:	Local freshwater dilution factor 10 Local marine water dilution factor 100	
Other conditions affecting environmental exposure	:	Release fraction to air from process (initial release prior to RMM) 0.98 Release fraction to wastewater from process (initial release prior to RMM) 0.0007 Release fraction to soil from process (initial release prior to RMM) 0	
Technical conditions and measures at process level (source) to prevent release	:	Common practices vary across sites thus conservative process release estimates used.	
Technical on-site conditions and measures to reduce or limit discharges, air emissions and releases to soil	-	Risk from environmental exposure is driven by freshwater sediment. If discharging to municipal sewage treatment plant, no on-site wastewater treatment required. Treat air emission to provide a typical removal efficiency of 90 %. Treat on-site wastewater (prior to receiving water discharge) to provide the required removal efficiency of >= 88.2 %. If discharging to municipal sewage treatment plant, provide the required on-site wastewater removal efficiency of >= 0.0 %.	
Organisational measures to prevent/limit release from site	:	Prevent discharge of undissolved substance to or recover from onsite wastewater. Do not apply industrial sludge to natural soils. Sewage sludge should be incinerated, contained or reclaimed.	

RUISKUOHENNE		Uses in Coatings - Industrial use.
Conditions and measures related to sewage treatment plant	:	Not applicable as there is no release to wastewater. Estimated substance removal from wastewater via on-site sewage treatment 96.2 %. Total efficiency of removal from wastewater after on-site and off-site (municipal treatment plant) RMMs 96.2 %. Maximum allowable site tonnage (M _{Safe}) based on release following total wastewater treatment removal 62000 kg/d Assumed domestic sewage treatment plant flow 2000 m ³ /d
Conditions and measures related to external treatment of waste for disposal	:	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	:	External recovery and recycling of waste should comply with applicable local and/or national regulations.
Contributing scenario contro PROC15	llir	ng worker exposure for 2: PROC7, PROC 8a, PROC8b, PROC10, PROC13,
Product characteristics	:	Liquid, vapour pressure 0.5 - 10 kPa at Standard Temperature and Pressure
Concentration of substance in mixture or article	:	Covers percentage substance in the product up to 100 %.
Physical state	1	Liquid.
Amounts used	:	***TO BE TRANSLATED***
Frequency and duration of use/exposure	:	Covers daily exposures up to 8 hours
Other conditions affecting workers exposure	:	Assumes use at not more than 20°C above ambient temperature. Assumes a good basic standard of occupational hygiene has been implemented
Conditions and measures rel	ate	ed to personal protection, hygiene and health evaluation
Personal protection	•	General measures (skin irritants) Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN 374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop.
		No other specific measures identified. PROC7 Industrial spraying PROC8a Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC8b Transfer of substance or mixture (charging and discharging) at non- dedicated facilities PROC10 Roller application or brushing
		PROC13 Treatment of articles by dipping and pouring PROC15 Use as laboratory reagent See Section 8 of the safety data sheet (personal protective equipment).
Respiratory protection	:	See Section 8 of the safety data sheet (personal protective equipment).
		Hydroparhan Plack Mathed (Patroriak)

Exposure assessment (environment):	: Hydrocarbon Block Method (Petrorisk)
Exposure estimation and reference to its source	: The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.
	Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Risk management measures are based on qualitative risk characterisation.

RUISKUOHENNE	Uses in Coatings - Industrial use.
Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SpERC factsheet (http://cefic.org/en/reach-for-industries-libraries.html).
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Annex to the extended Safety Data Sheet (eSDS)

Professional

Identification of the subs	nce or mixture	
Product definition	UVCB	
Code	0061032	
Product name	RUISKUOHENNE	
Section 1 - Title		
Short title of the exposure scenario	Uses in Coatings - Professional use.	
List of use descriptors	Identified use name: Uses in Coatings - Professional use. Thinner. Process Category: PROC08a, PROC10, PROC11, PROC13, PROC15 Substance supplied to that use in form of: As such Sector of end use: SU22 Subsequent service life relevant for that use: No. Environmental Release Category: ERC08a, ERC08d Market sector by type of chemical product: Not applicable. Article category related to subsequent service life: Not applicable.	
Environmental contributing scenarios	ERC8a, ERC8d	
Health Contributing scenarios	PROC5, PROC8a, PROC10, PROC11, PROC13, PROC15	
Processes and activities covered by the exposure scenario	Covers the use in coatings (paints, inks, adhesives, etc) including exposures du use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar metho and film formation), and equipment cleaning, maintenance and associated labor activities.	ring I ds, ratory

Section 2 - Exposure controls

Contributing scenario contro	llir	ng environmental exposure for 1: ERC8a, ERC8d
Product characteristics	1	Substance is complex UVCB. Predominantly hydrophobic
Conditions and measures related to sewage treatment plant	:	Not applicable as there is no release to wastewater.
Conditions and measures related to external treatment of waste for disposal	:	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	:	External recovery and recycling of waste should comply with applicable local and/or national regulations.
Contributing scenario contro PROC15	llir	ng worker exposure for 2: PROC5, PROC8a, PROC10, PROC11, PROC13,
Product characteristics	:	Liquid, vapour pressure 0.5 - 10 kPa at Standard Temperature and Pressure
Concentration of substance in mixture or article	:	Covers percentage substance in the product up to 100 %.
Amounts used	:	***TO BE TRANSLATED***
Frequency and duration of use/exposure	:	Covers daily exposures up to 8 hours
Other conditions affecting workers exposure	:	Assumes use at not more than 20°C above ambient temperature. Assumes a good basic standard of occupational hygiene is implemented
Conditions and measures rela	ate	ed to personal protection, hygiene and health evaluation
Date of issue/Date of revision		11/12/2018 14/15

RUISKUOHENNE	Uses in Coatings - Professional use.
Personal protection	: Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN 374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop.
	Other skin protection measures such as impervious suits and face shields may be required during high dispersion activities which are likely to lead to substantial aerosol release, e.g. spraying.
	See Section 8 of the safety data sheet (personal protective equipment).
Exposure assessment (environment):	: Hydrocarbon Block Method (Petrorisk)
Exposure assessment (human):	: The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.
	Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Risk management measures are based on qualitative risk characterisation.
11	Deadlated averaging and not averaged to averaged the DN/M/EL when the visit

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.