

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 04/03/2018 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

Version: 1.2

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

#### 1.1. Product identifier

Product form : Mixture

: LP 305/98 RI 408 Product name

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

#### 1.2.1. Relevant identified uses

: Professional use Main use category Use of the substance/mixture : Manual cleaner

Function or use category : Cleaning/washing agents and additives

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Riepe GmbH & Co. KG GmbH Theodor Rosenbaum Str. 28-30 32257 Bunde

Deutschland

T +49(0)5223-687407-0 - F +49(0)5223-687407-50

info@riepe.eu

#### Distributor

Hranipex Czech Republic k.s. J. Rýznerové 97, Komorovice CZ-396 01 Humpolec Czech Republic T 565 501 210

hranipex@hranipex.cz - www.hranipex.cz

E-mail address of competent person responsible for the SDS:

sds@regartis.com

#### Supplier

Hranipex Ltd. Unit 2 Radial Park, Birmingham Business Park Birmingham, B37 7YN United Kingdom T 0121 767 9180 - F 0121 782 6250

hranipex@hranipex.co.uk - www.hranipex.co.uk

### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals



Version: 1.2

## LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 04/03/2018 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

**SECTION 2: Hazards identification** 

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2

Specific target organ toxicity – Single exposure, Category 3, Narcosis

Aspiration hazard, Category 1

Hazardous to the aquatic environment – Chronic Hazard, Category 2

H411

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

#### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP)





GHS07



GHS08



GHS09

GHS02

Signal word (CLP) : Danger

Contains : Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

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 (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P271 - Use only outdoors or in a well-ventilated area.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.

P331 - Do NOT induce vomiting.

P370+P378 - In case of fire: Use carbon dioxide (CO2), extinguishing powder, Water spray

to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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

### 3.1. Substances

Not applicable



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 31/03/2023

Supercedes version of: 26/10/2021

Issue date: 04/03/2018 Revision date: 31/03/2023 Supersedes version of: 26/10/2021 Version: 1.2

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	EC-No.: 920-750-0 REACH-no: 01-2119473851- 33	50 - 100	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-	25 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319
butanone; ethyl methyl ketone	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-	≤ 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

Comments : Ingredients in accordance with the Detergents Regulation (648/2004 / EC):

Perfumes, d-Limonene,

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

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Immediately remove contaminated clothing or footwear. In case of doubt or persistent

symptoms, consult always a physician.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory

symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Rinse and then wash skin thoroughly with

water and soap. Get medical advice if skin irritation persists.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

First-aid measures after ingestion : Do NOT induce vomiting. Call a physician immediately. Drink water with activated carbon.

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

Symptoms/effects : May cause drowsiness or dizziness. Nausea. Headache. Anaesthetic state. Dry skin. Prolonged or repeated contact may cause dermatitis by loss of natural skin fats.

### 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 : Carbon dioxide. Dry powder. Water spray or fog. For large fire: Alcohol resistant foam.

Unsuitable extinguishing media : Strong water jet.

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

Fire hazard : Highly flammable liquid and vapour. The vapours are denser than air and may travel along

the ground. Distance ignition possible.

Explosion hazard : May form flammable/explosive vapour-air mixture.



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 04/03/2018 Revision date: 31/03/2023 Supersedes version of: 26/10/2021 Version: 1.2

Hazardous decomposition products in case of fire : Toxic fumes may be released. On burning: release of carbon monoxide - carbon dioxide.

#### 5.3. Advice for firefighters

Precautionary measures fire Keep away from combustible materials.

Firefighting instructions Use water spray or fog for cooling exposed containers.

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing.

**Emergency procedures** : Ventilate spillage area. Prevent unauthorised access. No open flames, no sparks, and no

smoking. Avoid contact with skin, eyes and clothing. Avoid breathing Vapours. Prevent the

build-up of electrostatic charge.

#### 6.1.2. For emergency responders

: Do not attempt to take action without suitable protective equipment. For further information Protective equipment

refer to section 8: "Exposure controls/personal protection".

**Emergency procedures** Ventilate area.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite or

kieselguhr. Collect all waste in suitable and labelled containers and dispose according to

local legislation. Non- sparking tools should be used. Ensure adequate ventilation.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

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

### 7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Keep container tight closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.

Wear personal protective equipment.

: Do not eat, drink or smoke when using this product. Always wash hands after handling the Hygiene measures

product. Wash contaminated clothing before reuse. Keep away from food and drink.

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

Technical measures : Ground/bond container and receiving equipment. Store container in a well ventilated

position. Keep in properly labelled containers.

Storage conditions Store tightly closed in a dry, cool and well-ventilated place. Store away from direct sunlight

or other heat sources. Keep away from sources of ignition - No smoking. Keep container

closed when not in use. Store locked up.

Incompatible materials Store away from oxidation agents.

Information on mixed storage Storage class: 3

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

No additional information available

Issue date: 04/03/2018

# **Hranipex**

Version: 1.2

# LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

**SECTION 8: Exposure controls/personal protection** 

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

Ethanol (64-17-5)		
United Kingdom - Occupational Exposure Limits		
Local name	Ethanol	
WEL TWA (OEL TWA) [1]	1920 mg/m³	
WEL TWA (OEL TWA) [2]	1000 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
butanone; ethyl methyl ketone (78-93-3)		
EU - Indicative Occupational Exposure Limit (IOE	L)	
Local name	Butanone	
IOEL TWA	600 mg/m³	
IOEL TWA [ppm]	200 ppm	
IOEL STEL	900 mg/m³	
IOEL STEL [ppm]	300 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Butan-2-one (methyl ethyl ketone)	
WEL TWA (OEL TWA) [1]	600 mg/m³	
WEL TWA (OEL TWA) [2]	200 ppm	
WEL STEL (OEL STEL)	899 mg/m³	
WEL STEL (OEL STEL) [ppm]	300 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	Butan-2-one (methyl ethyl ketone)	
BMGV	70 µmol/l Parameter: butan-2-one - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

#### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 2035 mg/m³	



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

sue date: 04/03/2018 Revision date: 3	·	Version: 1
Hydrocarbons, C7-C9, n-alkanes, isoalkan	es, cyclics	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	699 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	608 mg/m³	
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day	
Ethanol (64-17-5)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	8.238 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	380 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	87 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	114 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.96 mg/l	
PNEC aqua (marine water)	0.79 mg/l	
PNEC aqua (intermittent, freshwater)	2.75 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	3.6 mg/kg dwt	
PNEC sediment (marine water)	2.9 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.63 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	580 mg/l	
butanone; ethyl methyl ketone (78-93-3)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1.161 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	600 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	31 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	106 mg/m³	
Long-term - systemic effects, dermal	412 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	55.8 mg/l	
PNEC aqua (marine water)	55.8 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	284.74 mg/kg dwt	
PNEC sediment (marine water)	284.74 mg/kg dwt	
PNEC (Soil)		
PNEC soil	22.5 mg/kg dwt	



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 04/03/2018 Supersedes version of: 26/10/2021 Version: 1.2 Revision date: 31/03/2023 butanone; ethyl methyl ketone (78-93-3)

PNEC (STP)

709 mg/l PNEC sewage treatment plant

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station. Take precautionary measures to prevent the formation of static electricity.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Wear recommended personal protective equipment.

#### 8.2.2.1. Eye and face protection

#### Eye protection:

Tightly closed goggles (EN 166).

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing. Chemical resistant safety shoes. Impervious clothing

#### Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent). Nitrile-rubber protective gloves. Follow the glove manufacturer's specific recommendations when selecting the appropriate thickness, material, and permeability.

### 8.2.2.3. Respiratory protection

### Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

Device	Filter type	Condition
Gas mask with filter type	Type AX - Low-boiling (<65 °C) organic compounds, Type, A/P2	Short term exposure
Self-contained breathing apparatus (SCBA)	x	Long term exposure, In case of insufficient ventilation, accident, fire, etc

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Remove all contaminated clothing and footwear. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Always wash hands after handling the product. Do not breathe vapour/aerosol.

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

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

Physical state : Liquid Colour Colourless. Odour Not available Not available Odour threshold Melting point Not applicable Freezing point : Not available



Version: 1.2

## LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 04/03/2018 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

Boiling point : 78 °C

Flammability : Not applicable

Explosive properties : The product is not explosive. May form an explosive mixture with air.

Explosion limits : Not available
Lower explosion limit : 0.7 vol %
Upper explosion limit : Not available
Flash point : 1 °C

Auto-ignition temperature : The product is not self-inflammable.

Decomposition temperature : Not available : Not available Viscosity, kinematic : Not available Solubility : Insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : 57 kPa 64-17-5 Vapour pressure at 50°C : Not available Density : 0.753 g/cm<sup>3</sup> Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Violent reactions with strong oxidizing agens.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

### Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

LD50 oral rat > 5000 mg/kg



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023

according to the F sue date: 04/03/2018 Revision date:	REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 31/03/2023 Supersedes version of: 26/10/2021 V	ersion: 1.
Hydrocarbons, C7-C9, n-alkanes, isoalka	nes, cyclics	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 Inhalation - Rat (Vapours)	> 20 mg/l/4h	
Ethanol (64-17-5)		
LD50 oral rat	10470 mg/kg (OECD 401)	
LD50 dermal rabbit	> 2000 mg/kg (OECD 402)	
LC50 Inhalation - Rat	> 50 mg/l/4h (OECD 403)	
LC50 Inhalation - Rat (Vapours)	> 20 mg/l/4h mouse	
butanone; ethyl methyl ketone (78-93-3)		
LD50 oral rat	3300 mg/kg	
LD50 dermal rabbit	5000 mg/kg	
LC50 Inhalation - Rat	34.5 mg/l	
LC50 Inhalation - Rat (Vapours)	40 mg/l/4h	
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>May cause drowsiness or dizziness.</li> </ul>	
Hydrocarbons, C7-C9, n-alkanes, isoalka	nes, cyclics	
STOT-single exposure	May cause drowsiness or dizziness.	
butanone; ethyl methyl ketone (78-93-3)		
STOT-single exposure	May cause drowsiness or dizziness.	
STOT-repeated exposure Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)     May be fatal if swallowed and enters airways.	
11.2. Information on other hazards		
11.2.1. Endocrine disrupting properties  Adverse health effects caused by endocrine	: The mixture does not contain substance(s) included in the list established in accord	dance
taverse realth enects eaused by endeemile	. The mixture does not contain substance(s) included in the list established in accord	aurioc

Adverse health effects caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 11.2.2. Other information

No additional information available

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

: Not classified (Based on available data, the classification criteria are not met)

(chronic)

: Toxic to aquatic life with long lasting effects.

### Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

LC50 - Fish [1]	1 – 10 mg/l
-----------------	-------------



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 04/03/2018 Supersedes version of: 26/10/2021 Version: 1.2 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC50 - Other aquatic organisms [2] 1 - 10 mg/l aquatic invertebrates NOEC (fish) 0.1 - 1 mg/lEthanol (64-17-5) LC50 - Fish [1] 8140 mg/l (Leuciscus idus) EC50 - Crustacea [1] > 10000 mg/l (Daphnia magna) EC50 72h - Algae [1] 275 mg/l (Chlorella vulgaris)(OECD 201) butanone; ethyl methyl ketone (78-93-3) LC50 - Fish [1] > 3000 mg/l EC50 - Crustacea [1] 1382 mg/l

### 12.2. Persistence and degradability

LP 305/98 RI 408	
Persistence and degradability	Moderately biodegradable.

#### 12.3. Bioaccumulative potential

LP 305/98 RI 408	
Bioaccumulative potential	The data are not available.

### 12.4. Mobility in soil

LP 305/98 RI 408	
Ecology - soil	The data are not available.

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

LP 305/98 RI 408	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria	a of REACH regulation, annex XIII
Component	
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
butanone; ethyl methyl ketone (78-93-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

No additional information available

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

Issue date: 04/03/2018 Version: 1.2

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Regional legislation (waste) Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

Ecology - waste materials

**HP Code** 

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Do not dispose of waste into sewer. Do not allow into drains or water courses.
- Do not mix with other wastes.
- Flammable vapours may accumulate in the container.
- Avoid release to the environment.
- : HP3 "Flammable:"
  - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
  - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
  - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
  - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
  - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
  - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
  - HP5 "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
UN 1993	UN 1993	UN 1993	UN 1993	UN 1993	
14.2. UN proper shippin	14.2. UN proper shipping name				
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	
Transport document descr	iption (ADR)				
UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics ; Ethanol), 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics ; Ethanol), 3, II, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1993 Flammable liquid, n.o.s. (Hydrocarbons, C7- C9, n-alkanes, isoalkanes, cyclics; Ethanol), 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics ; Ethanol), 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics ; Ethanol), 3, II, ENVIRONMENTALLY HAZARDOUS	
14.3. Transport hazard class(es)					
3	3	3	3	3	
<b>1 1 1 1 1 1 1 1 1 1</b>	3 22	3	3	3	
14.4. Packing group					
II	II	II	II	II	



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ssue date: 04/03/2018	Revision date: 31/03/2023	ate: 31/03/2023 Supersedes version of: 26/10/2021		Version: 1.2
ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : F1

Special provisions (ADR) : 274, 601, 640D

Limited quantities (ADR) : 11 Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions : TP1, TP8, TP28

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33, 320

Orange plates :

33 1993

Tunnel restriction code (ADR) : D/E EAC code : •3YE

### Transport by sea

Special provisions (IMDG): 274Limited quantities (IMDG): 1 LExcepted quantities (IMDG): E2Packing instructions (IMDG): P001IBC packing instructions (IMDG): IBC02Tank instructions (IMDG): T7

Tank special provisions (IMDG) : TP1, TP28, TP8

EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : B

### Air transport

PCA Excepted quantities (IATA) : E2 : Y341 PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 353 PCA max net quantity (IATA) : 5L : 364 CAO packing instructions (IATA) CAO max net quantity (IATA) : 60L Special provisions (IATA) : A3 ERG code (IATA) : 3H

#### Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 274, 601, 640D

Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T



Version: 1.2

## LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

Equipment required (ADN) : PP, EX, A Ventilation (ADN) : VE01 Number of blue cones/lights (ADN) : 1

Rail transport

Issue date: 04/03/2018

Classification code (RID) : F1

Special provisions (RID) : 274, 601, 640D

Limited quantities (RID) : 1L Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions : TP1, TP8, TP28

(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE7
Hazard identification number (RID) : 33

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
3(a)	LP 305/98 RI 408; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics; Ethanol; butanone; ethyl methyl ketone	
3(b)	LP 305/98 RI 408 ; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics ; Ethanol ; butanone; ethyl methyl ketone	
3(c)	LP 305/98 RI 408; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
40.	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics; Ethanol; butanone; ethyl methyl ketone	

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### **Drug Precursors Regulation (273/2004)**

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Issue date: 04/03/2018



Version: 1.2

## LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

CN **Name** CAS-No. **CN** code Category **Threshold Annex** designation Methylethylketone Butanone 78-93-3 2914 12 00 Category 3 Annex I

#### 15.1.2. National regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

#### **United Kingdom**

**British National Regulations** 

: Regulation (EC) No 1013/2006 of the European Parliament and of the Council on shipments of waste, in the valid wording.

Directive 2008/98/EC of the European Parliament and of the Council on waste and

repealing certain Directives, in the valid wording.

UK Waste Regulations.

UK REACH.

GB CLP.

### 15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
	Reason for no classification	Added	
	Limited quantities (IMDG)	Added	
	Excepted quantities (IMDG)	Added	
	Tank special provisions (IMDG)	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.3	Other medical advice or treatment	Modified	
5.1	Suitable extinguishing media	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
6.1	Emergency procedures	Added	
8.2	Respiratory protection	Modified	
8.2	Hand protection	Modified	
8.2	Other information	Added	
8.2	Skin and body protection	Modified	
9.1	Vapour pressure	Modified	
9.1	Flash point	Modified	
10.5	Incompatible materials	Modified	
12.2	Persistence and degradability	Modified	
16	Data sources	Modified	

Issue date: 04/03/2018

# **Hranipex**

### LP 305/98 RI 408

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 31/03/2023 Supersedes version of: 26/10/2021

Version: 1.2

Abbreviations and acronyms:			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
DNEL	Derived-No Effect Level		
PNEC	Predicted No-Effect Concentration		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
SDS	Safety Data Sheet		
EC50	Median effective concentration		
LD50	Median lethal dose		
LC50	Median lethal concentration		
PBT	Persistent Bioaccumulative Toxic		
vPvB	Very Persistent and Very Bioaccumulative		

Data sources : ECHA Guidance on the compilation of safety data sheets

ECHA C&L Inventory database. Supplier's safety documents.

Training advice : Provide SDS to employees. Follow general rules on handling chemical substances and/or

mixtures.

Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
H411	Toxic to aquatic life with long lasting effects.	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	On basis of test data
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	Expert judgement
Aquatic Chronic 2	H411	Calculation method

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.