

# Safety data sheet

## according to 1907/2006/EC, Article 31

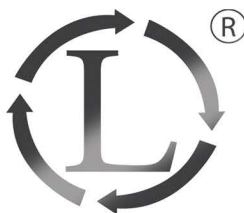
Printing date 23.09.2016

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

- **1.1 Product identifier**
- **Trade name:** LANE PRENEVO
- **Article number:** 110277.H126.LAN
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Adhesive for industrial use.



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### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

- **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:**

cyclohexane  
TERPENES AND TERPENOIDS,  
TURPENTINE-OIL, A-PINENE FRACTION,  
POLYMERS WITH 1-METHYL-4-(1-METHYL ETHEN YL)CYCLOHEXENE, STYRENE AND  
TURPENTINE-OIL B-PINENE FRACTION TERPENES  
ethyl acetate  
Rosin

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**· Hazard statements**

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H410 Very 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.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- 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.
- 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 the substances listed below with harmless additions.

**· Dangerous components:**

CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119486291-36-0000	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-0000	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-0000	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-0000	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5-10%
	2-methylpentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	<5%

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CAS: 31394-54-4 EINECS: 250-610-8	isoheptane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	<5%
CAS: 936322-31-5	TERPENES AND TERPENOIDES, TURPENTINE-OIL, A-PINENE FRACTION, POLYMERS WITH 1-METHYL-4-(1-METHYL ETHERYL) CYCLOHEXENE, STYRENE AND TURPENTINE-OIL B- PINENE FRACTION TERPENES Skin Sens. 1, H317	<2.5%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	0.5-1%
CAS: 8050-09-7 EINECS: 232-475-7 Reg.nr.: 01-2119480418-32-0000	Rosin Skin Sens. 1, H317	0.5-1%

· **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**

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation** Supply fresh air and call for doctor for safety reasons.

##### · **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing** Do not induce vomiting; instantly call for medical help.

#### · 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**

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

##### · **For safety reasons unsuitable extinguishing agents**

Water.

Water with a full water jet.

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

Can be released in case of fire

#### · 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained breathing apparatus.

##### · **Additional information**

Collect contaminated fire fighting water separately. It must not enter drains.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

#### 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Send for recovery or disposal in suitable containers.

Do not use tools that can cause ignition.

#### 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 information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Take note of emission threshold.

Use solvent-proof equipment.

#### Information about protection against explosions and fires:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Highly volatile, flammable constituents are released during processing.

Fumes can combine with air to form an explosive mixture.

Flammable mixtures may be formed in empty containers.

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

##### Storage

Requirements to be met by storerooms and containers: Prevent any penetration into the ground.

Information about storage in one common storage facility: Not required.

##### Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in original sealed container

Recommended storage temperature: +10 °C - +25 °C

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

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### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

#### · 8.1 Control parameters

· **Components with limit values that require monitoring at the workplace:**

<b>110-82-7 cyclohexane</b>	
WEL	Short-term value: 1050 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm
<b>141-78-6 ethyl acetate</b>	
WEL	Short-term value: 400 ppm Long-term value: 200 ppm
<b>67-64-1 acetone</b>	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
<b>78-93-3 butanone</b>	
WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk, BMGV

#### · **DNELs**

Cyclohexan CAS 110-82-7

DNEL-Werte

Akute Wirkungen - systemische Effekte, inhalativ: 700 mg/m<sup>3</sup>  
 Chronische Wirkungen - systemische Effekte, inhalativ: 700 mg/m<sup>3</sup>  
 Chronische Wirkungen - systemische Effekte, dermal: 2016 mg/kg  
 Ethylacetat, CAS 141-78-6 (Arbeitnehmer)  
 dermal Langzeit(chronisch) systemisch: 63 mg/kg/Tag  
 inhalativ Kurzzeit (akut) systemisch: 1468 mg/m<sup>3</sup>  
 inhalativ Langzeit(chronisch) lokal: 734 mg/m<sup>3</sup>  
 inhalativ Kurzzeit (akut) lokal: 1468 mg/m<sup>3</sup>  
 inhalativ Langzeit (chronisch) systemisch: 734mg/m<sup>3</sup>  
 Aceton, CAS 67-64-1  
 dermal Langzeit (chronisch) systemisch: 186 mg/kg/Tag  
 inhalativ Kurzzeit (akut) lokal: 2420 mg/m<sup>3</sup>  
 inhalativ Kurzzeit (akut) systemisch: 1210 mg/m<sup>3</sup>  
 Ethylmethylketon CAS 78-93-3  
 Anwendungsbereich: Arbeitnehmer  
 Expositionswege: Hautkontakt  
 Mögliche Gesundheitsschäden: Langzeit - systemische Effekte  
 Wert: 1161 mg/kg  
 Anwendungsbereich: Arbeitnehmer  
 Expositionswege: Einatmen  
 Mögliche Gesundheitsschäden: Langzeit - systemische Effekte  
 Wert: 600 mg/m<sup>3</sup>

#### · **PNECs**

Cyclohexan CAS 110-82-7  
 PNEC 2,99 mg/kg (Boden)  
 3,24 mg/l (Kläranlagen)  
 0,207 mg/l (Meerwasser)  
 3,627 mg/kg (Süßwassersediment)  
 0,207 mg/l (Süßwasser)

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0,207 mg/l (sporadische Freisetzung)  
 Ethylacetat 141-78-6  
 Wasser Süßwasser: 0,26 mg/l  
 Wasser Meerwasser: 0,026 mg/l  
 Wasser Aqua intermittent: 1,65 mg/l  
 Wasser Süßwasser Sediment: 1,25 mg/kg  
 Wasser Meerwasser Sediment: 0,125 mg/kg  
 Boden - 0,24 mg/kg  
 Kläranlage (STP) - 650 mg/l  
 Sekundärvergiftung - 200 mg/kg  
 Aceton, CAS 67-64-1  
 Wasser Süßwasser: 10,6 mg/l  
 Wasser Meerwasser: 1,06 mg/l  
 Wasser Aqua intermittent: 21 mg/l  
 Wasser Süßwasser Sediment: 30,4 mg/kg  
 Wasser Meerwasser Sediment: 3,04 mg/kg  
 Boden - :29,5 mg/kg  
 Kläranlage (STP) -: 100 mg/l  
 Butanon CAS 78-93-3  
 Meerwasser Wert: 55,8 mg/l  
 Süßwassersediment Wert: 284,74 mg/kg  
 Meeressediment Wert: 287,7 mg/kg  
 Boden Wert: 22,5 mg/kg  
 Süßwasser Wert: 55,8 mg/l

**Ingredients with biological limit values:**
**78-93-3 butanone**

BMGV	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

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

**8.2 Exposure controls**
**Personal protective equipment**
**General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

· **Recommended filter device for short term use:** Combination filter A-P2

· **Protection of hands:**



Protective gloves.

Solvent resistant gloves

nitrile

· **Material of gloves**

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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.

· **Penetration time of glove material**

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

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

· **Flash point:** -20 °C (DIN 53213)

· **Inflammability (solid, gaseous)** Not applicable.

· **Ignition temperature:**

Decomposition temperature: Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

Lower:	1.2 Vol % (EN 1839)
Upper:	13.0 Vol % (EN 1839)

· **Vapour pressure at 20 °C:** 233 hPa (DIN 51640)

· **Density at 20 °C** 0.85 g/cm<sup>3</sup> (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.

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- |                                |  |
|--------------------------------|--|
| <b>· Viscosity:</b>            |  |
| <b>dynamic at 20 °C:</b>       | 1200 mPas (Brookfield (ISO 2555))          |
| <b>kinematic:</b>              | Not determined.                            |
| <b>· Solvent content:</b>      |  |
| <b>Organic solvents:</b>       | 80.7 %                                     |
| <b>· Solids content:</b>       | 19.3 % (ISO 3251)                          |
| <b>· 9.2 Other information</b> | No further relevant information available. |

### 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 and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Develops readily flammable gases / fumes
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

### 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 that are relevant for classification:**

**110-82-7 cyclohexane**

Oral	LD50	12705 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC50/4h	14 mg/kg (rat)

**141-78-6 ethyl acetate**

Oral	LD50	5620 mg/kg (rat)
Inhalative	LC50/4h	11.72 mg/kg (rat)

**67-64-1 acetone**

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rbt)
Inhalative	LC50/4h	76 mg/kg (rat)

**78-93-3 butanone**

Oral	LD50	> 2600 mg/kg (rat)
Dermal	LD50	> 8000 mg/kg (rbt)
Inhalative	LC50/2h	40 mg/l (rat)

**2-methylpentane**

Oral	LD50	2000 mg/Kg mg/kg (rat)
Dermal	LD50	2000 mg/Kg mg/kg (rbt)
Inhalative	LC50/4h	20 mg/l/4h mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.

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- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **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:**

##### **110-82-7 cyclohexane**

EC50/48h	3.78 mg/l (Daphnia magna)
IC50/72h	> 500 mg/l (Desmodesmus subspicatus)
LC50/96h	34 mg/l (Lepomis macrochirus)

##### **141-78-6 ethyl acetate**

EC50/48h	717 mg/l (Daphnia magna)
IC50/48h	3300 mg/l (Desmodesmus subspicatus)
LC50/96h	230 mg/l (Pimephales promelas)

##### **67-64-1 acetone**

EC50/48h	12600 - 12700 mg/l (Daphnia magna)
LC50/96h	8300 mg/l (Lepomis macrochirus)

##### **78-93-3 butanone**

EC50/48h	5091 mg/l (Daphnia magna)
LC50/96h	3220 mg/l (Pimephales promelas)

### · 12.2 Persistence and degradability

#### **110-82-7 cyclohexane**

Bio.Abbaubark./28 d	6 % (-)
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#### **141-78-6 ethyl acetate**

Bio.Abbaubark./28 d	100 % (-)
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#### **67-64-1 acetone**

Bio.Abbaubark./28 d	91 % (-)
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### · 12.3 Bioaccumulative potential No further relevant information available.

### · 12.4 Mobility in soil No further relevant information available.

#### · **Ecotoxicological effects:**

· **Remark:** Very toxic for fish

#### · **Additional ecological information:**

#### · **General notes:**

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

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*Danger to drinking water if even small quantities leak into soil.***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 of together with household garbage. Do not allow product to reach sewage system.**Must be specially treated under adherence to official regulations.***European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

**Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

**14.1 UN-Number**· **ADR, IMDG, IATA**

UN1133

**14.2 UN proper shipping name**· **ADR**

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

· **IMDG**

ADHESIVES (CYCLOHEXANE, 2-methylpentane),

· **IATA**

ADHESIVES

**14.3 Transport hazard class(es)**· **ADR, IMDG**· **Class**

3 Flammable liquids.

· **Label**

3

· **IATA**· **Class**

3 Flammable liquids.

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· <b>Label</b>	3
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADR):</b>	Product contains environmentally hazardous substances: cyclohexane, isoheptane Yes Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b> · <b>Kemler Number:</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-D A
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b> · <b>Tunnel restriction code</b> · <b>Remarks:</b>	3 D/E Viscous according to ADR § 2.2.3.1.4
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Remarks:</b>	Viscous according to 2.3.2.2 of the IMDG code
· <b>UN "Model Regulation":</b>	UN 1133 ADHESIVES, 3, III, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48, 57

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
I	0,5-1
NK	50-100

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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- **VOC (EU) %** 80.71 %
- **Code MAL** 4-5
- **VOC (EU)** 686.0 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they 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.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

#### · **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
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- **\* Data compared to the previous version altered.**

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## according to 1907/2006/EC, Article 31

Printing date 23.09.2016

Version number 1

Revision: 22.09.2016

Trade name: **LANE PRENEVO**

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### Annex: Exposure scenario 1

- **Short title of the exposure scenario**

Cyclohexane

Industrielle Verwendung von Beschichtungen und Klebstoffen

- **Sector of Use SU3** Industrial uses: Uses of substances as such or in preparations at industrial sites

- **Product category PC1** Adhesives, sealants

- **Process category**

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC15 Use as laboratory reagent

- **Environmental release category ERC3** Formulation into solid matrix

- **Notes** The product is intended for professional use.

- **Description of the activities / processes covered in the Exposure Scenario**

See Section 1 of the Safety Data Sheet

- **Conditions of use** Customary application according to section 1.

- **Duration and frequency** 5 workdays/week.

- **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

- **Physical state** Fluid

- **Concentration of the substance in the mixture** Raw material.

- **Other operational conditions** Observe the normal safety regulations when handling chemicals

- **Other operational conditions affecting environmental exposure**

Observe section 6 of the Safety Data Sheet (Accidental release measures).

- **Other operational conditions affecting worker exposure** Avoid contact with the skin and eyes.

- **Other operational conditions affecting consumer exposure** No special measures required.

- **Risk management measures**

- **Worker protection**

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Technical protective measures** Ensure good ventilation/exhaustion at the workplace.

- **Personal protective measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

- **Environmental protection measures**

Avoid release to the environment. Obtain special instructions / refer to Safety Data Sheet.

- **Disposal measures**

Must not be disposed of with household waste. Do not allow to reach sewage system.

- **Disposal procedures**

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

- **Waste type** Partially emptied and uncleaned packaging

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- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.

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### Annex: Exposure scenario 2

- **Short title of the exposure scenario**  
ETHYL ACETATE (CAS141-78-6)  
INDUSTRIAL USE IN RIGID FOAM, COATINGS, ADHESIVES AND SEALANTS
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC1 Adhesives, sealants
- **Process category**  
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.  
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions  
PROC5 Mixing or blending in batch processes  
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities  
PROC10 Roller application or brushing  
PROC13 Treatment of articles by dipping and pouring
- **Environmental release category**  
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use** Customary application according to section 1.
- **Duration and frequency**  
8hrs (full working shift).  
5 workdays/week.
- **Physical parameters**
- **Physical state** Liquid
- **Concentration of the substance in the mixture** The substance is main component.
- **Used amount per time or activity** 5500 tons per year
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting worker exposure**  
Avoid contact with the skin and eyes.  
Take precautionary measures against static discharge.  
Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure** Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product**  
Not applicable.
- **Risk management measures**
- **Worker protection**  
Ensure adequate ventilation  
Do not inhale gases / fumes / aerosols.
- **Organisational protective measures** Keep good industrial hygiene.
- **Technical protective measures**  
Provide explosion-proof electrical equipment.  
Keep containers tightly sealed.  
Ensure that suitable extractors are available on processing machines
- **Personal protective measures**  
Protective work clothing.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Tightly sealed safety glasses.  
Protective gloves.

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**· Measures for consumer protection***Ensure adequate labelling.**Keep locked up and out of the reach of children.***· Environmental protection measures****· Water** *No special measures required.***· Disposal measures** *Ensure that waste is collected and contained.***· Disposal procedures***Must not be disposed of together with household garbage. Do not allow product to reach sewage system.***· Waste type** *Partially emptied and uncleaned packaging***· Exposure estimation****· Worker (dermal)** *The calculated value is smaller than the DNEL.***· Worker (inhalation)** *The calculated value is smaller than the DNEL.***· Environment** *The calculated value is smaller than the PNEC.***· Consumer** *Not relevant for this Exposure Scenario.***· Guidance for downstream users***Whether the downstream user uses the substance / the mixture within the scope of the Exposure Scenario can be determined by means of a technical assessment.*

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Trade name: **LANE PRENEVO**

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### Annex: Exposure scenario 3

• **Short title of the exposure scenario**

ACETONE (CAS 67-64-1)

*Industrielle Verwendung von Beschichtungen und Klebstoffen*

• **Sector of Use SU3** Industrial uses: Uses of substances as such or in preparations at industrial sites

• **Product category PC1** Adhesives, sealants

• **Process category**

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC14 Tableting, compression, extrusion, pelletisation, granulation

PROC15 Use as laboratory reagent

• **Environmental release category ERC3** Formulation into solid matrix

• **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

• **Conditions of use** Customary application according to section 1.

• **Duration and frequency** 5 workdays/week.

• **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

• **Physical state** Fluid

• **Concentration of the substance in the mixture** Raw material.

• **Other operational conditions**

The usual precautionary measures should be adhered to general rules for handling chemicals.

• **Other operational conditions affecting environmental exposure** No special measures required.

• **Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

• **Other operational conditions affecting consumer exposure** Keep out of the reach of children.

• **Other operational conditions affecting consumer exposure during the use of the product**

Not applicable.

• **Risk management measures**

• **Worker protection**

• **Organisational protective measures** No special measures required.

• **Technical protective measures**

Provide explosion-proof electrical equipment.

Ensure that suitable extractors are available on processing machines

• **Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Tightly sealed safety glasses.

Protective gloves.

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**Trade name: LANE PRENEVO**

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- **Measures for consumer protection**  
*Ensure adequate labelling.*  
*Keep locked up and out of the reach of children.*
- **Environmental protection measures**
- **Water** No special measures required.
- **Disposal measures** Disposal must be made according to official regulations.
- **Disposal procedures**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.

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### Annex: Exposure scenario 4

- **Short title of the exposure scenario** butanone (CAS 78-93-3)
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC1 Adhesives, sealants
- **Process category**
  - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
  - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
  - PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
  - PROC4 Chemical production where opportunity for exposure arises
  - PROC5 Mixing or blending in batch processes
  - PROC7 Industrial spraying
  - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
  - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
  - PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
  - PROC10 Roller application or brushing
  - PROC13 Treatment of articles by dipping and pouring
  - PROC14 Tableting, compression, extrusion, pelletisation, granulation
  - PROC15 Use as laboratory reagent
- **Environmental release category**
  - ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use** According to directions for use.
- **Duration and frequency**
  - 5 workdays/week.
  - 8hrs (full working shift).
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** Raw material.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting worker exposure**
  - Avoid contact with eyes.
  - Take precautionary measures against static discharge.
  - Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure** Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product**  
Not applicable.
- **Risk management measures**
- **Worker protection**
  - The usual precautionary measures should be adhered to general rules for handling chemicals.
  - Keep away from foodstuffs, beverages and food.
  - Take off immediately all contaminated clothing
  - Wash hands during breaks and at the end of the work.
  - Avoid contact with the eyes and skin.
  - Use breathing protection in case of insufficient ventilation.
- **Organisational protective measures** Deploy only trained chemical workers.
- **Technical protective measures**
  - Provide explosion-proof electrical equipment.

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*Ensure that suitable extractors are available on processing machines***· Personal protective measures***Do not inhale gases / fumes / aerosols.**Avoid contact with the eyes.**Tightly sealed safety glasses.**Protective gloves.***· Measures for consumer protection***Ensure adequate labelling.**Keep locked up and out of the reach of children.***· Environmental protection measures****· Water** *No special measures required.***· Disposal measures** *Disposal must be made according to official regulations.***· Disposal procedures***Must not be disposed of together with household garbage. Do not allow product to reach sewage system.***· Waste type** *Partially emptied and uncleaned packaging***· Exposure estimation****· Worker (dermal)** *The calculated value is smaller than the DNEL.***· Worker (inhalation)** *The calculated value is smaller than the DNEL.***· Consumer** *Not relevant for this Exposure Scenario.***· Guidance for downstream users** *No further relevant information available.*

GB