

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

Printing date 06.11.2020

Version number 11.1

Revision: 06.11.2020

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Hazardous according to criteria of Australian Safety and Compensation Council

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## \* 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *CARLACK Complete*
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** *Polishing agent*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Max Lehner AG  
Stallikonerstr. 71  
CH-8903 Birmensdorf (ZH)  
Imported by:  
Carlack Products Australia  
P.O. Box 44  
Penshurst NSW  
Australia 2222  
Within Australia - 0410 992 535  
International - + 61 4 1099 2535  
Email: carlack@carlackproducts.com.au
- **Information department:** *Product safety department.*
- **Emergency telephone number:**  
*Poisons Information - Australia*  
*13 11 26 (24 hours)*

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
*R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Information concerning particular hazards for human and environment:**  
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*
- **Classification system:**  
*The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.*
- **Label elements**
- **Labelling according to EU guidelines:**  
*Observe the general safety regulations when handling chemicals*  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials*
- **Risk phrases:**  
*10 Flammable.*  
*52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Special labelling of certain preparations:**  
*Do not spray on a naked flame or any incandescent material.*  
*Safety data sheet available for professional user on request.*  
*Keep out of the reach of children*
- **Information pertaining to particular dangers for man and environment**
- **Safety phrases:**  
*9 Keep container in a well-ventilated place.*  
*16 Keep away from sources of ignition - No smoking.*  
*24 Avoid contact with skin.*  
*60 This material and its container must be disposed of as hazardous waste.*

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62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

- **Other hazards**
- **Results of PBT and vPvB assessment** Not applicable.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light ☒ Xn R65
CAS: 142-82-5 EINECS: 205-563-8	heptane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R50/53 R67

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

Isotridecylalkohol-(>5)-polyglykoether	< 5%
aliphatic hydrocarbons, "2-BROMO-2-NITROPROPANE-1,3-DIOL"	

- **Additional information**

Content of benzene and 1,3-butadiene are smaller than 0.1%. The notes J, K and P are valid. The R45 phrase is not necessary.

For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

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- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

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

### 142-82-5 heptane

NES (Australia)	Short-term value: 2050 mg/m <sup>3</sup> , 500 ppm Long-term value: 1640 mg/m <sup>3</sup> , 400 ppm
PEL (USA)	2000 mg/m <sup>3</sup> , 500 ppm
REL (USA)	Short-term value: C 1800* mg/m <sup>3</sup> , C 440* ppm Long-term value: 350 mg/m <sup>3</sup> , 85 ppm *15-min
TLV (USA)	Short-term value: 2050 mg/m <sup>3</sup> , 500 ppm Long-term value: 1640 mg/m <sup>3</sup> , 400 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
Protective gloves.  
Only use chemical-protective gloves with CE-labelling of category III.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **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. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **Not suitable are gloves made of the following materials: PVA gloves**

- **Eye protection: Tightly sealed goggles.**

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

- **pH-value at 20 °C (68 °F):** 7.7

- **Change in condition**

<b>Melting point/Melting range:</b>	undetermined
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)

- **Flash point:** 61 °C (142 °F)

- **Flammability (solid, gaseous)** Not applicable.

- **Ignition temperature:** 245 °C (473 °F)

- **Decomposition temperature:** Not determined.

- **Self igniting:** Not determined.

- **Danger of explosion:** Not determined.

- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

- **Vapour pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

- **Density at 20 °C (68 °F):** 0.983 g/cm<sup>3</sup> (8.203 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

**Water:** Fully miscible

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

<b>dynamic at 20 °C (68 °F):</b>	1300 mPas
<b>kinematic:</b>	Not determined.
<b>Organic solvents:</b>	9.0 %
<b>VOC (EC)</b>	10.11 %

- **Other information** No further relevant information available.

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## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>2000 mg/kg (rat)
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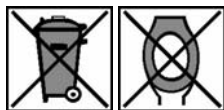
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Generally not hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**



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

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
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07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
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07 06 99 wastes not otherwise specified

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

· <b>UN-Number</b>	Void
· <b>ADG, ADN, IMDG</b>	Void
· <b>IATA</b>	UN1993
· <b>UN proper shipping name</b>	Void
· <b>ADG, ADN, IMDG</b>	Void
· <b>IATA</b>	FLAMMABLE LIQUID, N.O.S. (MOTOR SPIRIT, TURPENTINE SUBSTITUTE)
· <b>Transport hazard class(es)</b>	
· <b>ADG, ADN, IMDG</b>	
· <b>Class</b>	Void
· <b>IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>ADG, IMDG</b>	Void
· <b>IATA</b>	III
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

**15 Regulatory information**

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

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Drugs and Poisons**

None of the ingredients is listed.

- **Markings according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

- **Risk phrases:**

10 Flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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· **Safety phrases:**

- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 24 Avoid contact with skin.
- 60 This material and its container must be disposed of as hazardous waste.
- 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

· **Special labelling of certain preparations:**

- Do not spray on a naked flame or any incandescent material.
- Safety data sheet available for professional user on request.
- Keep out of the reach of children

· **Technical instructions (air):**

Class	Share in %
NK	<10

- **Water hazard class:** Generally not hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

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

· **Text of risk phrases associated with ingredients in section 3**

- R11 Highly flammable.
- R38 Irritating to skin.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Environment protection department.· **Contact:** Chem. Laboratorium· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

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Reviewed 09/11/2020 in accordance with Safe Work Australia Preparation of safety data sheets for hazardous chemicals Code of Practice July 2020 section 2.4. All information contained remains the same as previous version 9/10/2014. Valid 9/11/2025.