

Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP) and 453/2010/EC

Printing date 15.01.2015

Version number 3

Revision: 15.01.2015

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

1.1 Product identifier

Trade name **LOPON P**

Article number: BK1882

Article number: BK1882

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

No further relevant information available.

Application of the substance / the mixture

Dispersing agent, Dispersant

Formulation additive

Paint additive

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

BK Giulini GmbH

Member of ICL Group

Works Ladenburg, Dr.A.Reimann-Str.2

D-68526 Ladenburg

www.icl-pp.com

Tel: +49 6203 / 77-0

Fax: +49 6203 / 77-7256

Information:

Business Unit Advanced Additives

Information on product: Tel. +49 6203 77-7325

Contact MSDS: MSDS@icl-group.com

1.4 Emergency telephone number:

Works Ladenburg Phone +49 6203 / 77-112

Works Ludwigshafen Phone +49 621 / 5709-112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not to be classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

Information concerning particular hazards for human and environment: Void

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description:

Organophosphate

in water

Dangerous components: Void

SVHC No

Additional information No further relevant information available.

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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation : Supply fresh air; consult doctor in case of symptoms.

After skin contact :

Wash with water and soap.

The product is not skin irritating.

After eye contact : Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.

After swallowing :

Rinse out mouth and then drink plenty of water (approx. 500 ml).

In case of persistent symptoms consult doctor.

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.

CO₂, extinguishing powder or water jet. Fight larger fires with foam.

5.2 Special hazards arising from the substance or mixture

Fire can cause release of :

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

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

6.4 Reference to other sections No dangerous materials are released.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special precautions necessary if used correctly.

Keep containers tightly sealed.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: No special requirements.

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

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from frost.

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

* SECTION 8: Exposure controls/personal protection

. Additional information about design of technical systems: No further data; see section 7.

. 8.1 Control parameters

. Components with critical values that require monitoring at the workplace:

. Additional information: The lists that were valid during compilation were used as a basis.

. 8.2 Exposure controls

. Personal protective equipment

. General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Instantly remove any soiled and impregnated garments.

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

Avoid contact with the eyes.

. Breathing equipment:

Not necessary if room is well-ventilated.

Use breathing protection in case of insufficient ventilation.

Short term filter device: ABEK-filter

. Protection of hands:

Protective gloves:

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

. Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

Chloroprene rubber, CR

PVA gloves

PVC or PE gloves

Neoprene gloves

. 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: Safety glasses (DIN 58211, EN 166)

. Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form:

Fluid

Colour:

Colourless

. Smell:

Characteristic

. Odour threshold:

not determined

. pH-value at 20 °C:

ca. 7 (100%)

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- . **Change in condition**
 - Melting point/Melting range:** not determined
 - Boiling point/Boiling range:** > 100 °C
- . **Flash point:** not determined
- . **Inflammability (solid, gaseous)** Product is not inflammable.
- . **Ignition temperature:** not determined
- . **Decomposition temperature:** not determined
- . **Danger of explosion:** Product is not explosive.
- . **Critical values for explosion:**
 - Lower:** not applicable
- . **Oxidising properties** none
- . **Steam pressure at 20 °C:** ca. 23 hPa
- . **Density at 20 °C** ca. 1.20 g/cm³
- . **Evaporation rate** not determined
- . **Solubility in / Miscibility with Water:** Fully miscible
- . **Partition coefficient (n-octanol/water):** not determined
- . **Viscosity:**
 - dynamic at 20 °C:** ca. 30 mPas
- . **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No hazardous reactions when stored and handled according to instructions.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** not determined
- . **10.6 Hazardous decomposition products:**
 - Fire can cause release of :
 - Carbon monoxide (CO)
 - Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
 - . **Acute toxicity:**
 - . **LD/LC50 values that are relevant for classification:**
 - . **Components** **Type** **Value** **Species** **Product** **LD50:** **oral** **> 5000 mg/kg** **rat**
 - . **Primary irritant effect:**
 - . **on the skin:** No irritant effect.
 - . **on the eye:** Moderate irritation
 - . **Sensitisation** No sensitizing effect known.
 - . **Repeated dose toxicity** No further relevant information available.

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. **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No further relevant information available.

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **Other information:** Easy elimination possible by flocculation or adsorption by sludge.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Other information:** No AOX
- . **Additional ecological information:**
- . **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- . **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**
Smaller quantities can be disposed with household garbage.
Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- . **European waste catalogue**
16 03 06 organic wastes other than those mentioned in 16 03 05
- . **Uncleaned packaging:**
- . **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
Dispose of packaging according to regulations on the disposal of packagings.
- . **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|--|-----------------|
| . 14.1 UN-Number | |
| . ADR, IMDG, IATA | Void |
| . 14.2 UN proper shipping name | |
| . ADR, IMDG, IATA | Void |
| . 14.3 Transport hazard class(es) | |
| . ADR, IMDG, IATA | |
| . Class | Void |
| . 14.4 Packing group | |
| . ADR, IMDG, IATA | Void |
| . 14.5 Environmental hazards: | Not applicable. |
| . 14.6 Special precautions for user | Not applicable. |

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- . **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- . **Transport/Additional information:** Frost protected transport has to be guaranteed.
Not dangerous according to the above regulations.
- . **UN "Model Regulation":** -

SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **National regulations** Void
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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.

- . **Department issuing data specification sheet:** Product Safety and Regulatory Affairs
- . **Contact:** MSDS@icl-group.com
- . **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)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
- . **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>
- . *** Data compared to the previous version altered.**