



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## ESKANOL LPT-IN

Revision date: 08.03.2017

Product code: 00359-1311

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

#### 1.1. Product identifier

ESKANOL LPT-IN

Art.-No.

10036

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

Use of the substance/mixture

Hardener

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

Company name: TIP TOP Oberflächenschutz Elbe GmbH

Street: Heuweg 4

Place: D-06886 Wittenberg

Telephone: +49(0)3491/635-50

Telefax: +49(0)3491/635-552

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

#### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24  
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Organic peroxide: Org. Perox. D

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Heating may cause a fire.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

#### 2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Butanone peroxide

Signal word: Danger

Pictograms:



Hazard statements

H242 Heating may cause a fire.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



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P220	Keep/Store away from Soil, rust, chemicals, strong acids and bases and accelerators (heavy metal salts, amines).
P234	Keep only in original container.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P310	Immediately call a POISON CENTER/doctor.
P410	Protect from sunlight.
P411+P235	Store at temperatures not exceeding +30 °C/... °F. Keep cool.
P420	Store away from other materials.

### 2.3. Other hazards

Not known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture containing following substances with additives

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1338-23-4	Butanone peroxide			< 40 %
	215-661-2		01-2119514691-43	
	Self-react. D, Acute Tox. 4, Skin Corr. 1B; H242 H302 H314			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
Adhere to personal protective measures when giving first aid.  
Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

#### After inhalation

Supply fresh air, if required oxygen, consult a physician.  
If patient is not breathing, apply artificial respiration.  
Remove the casualty into fresh air and keep him immobile.  
In case of the person being unconscious put him/her in a stable side position.

#### After contact with skin

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.



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**After ingestion**

- Summon a doctor immediately.
- Rinse out mouth and give plenty of water to drink.
- Never give anything by mouth to an unconscious person.
- Induce vomiting only upon the advice of a physician.

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

- Harmful if swallowed.
- Causes severe skin burns and eye damage.

**4.3. Indication of any immediate medical attention and special treatment needed**

- Treat symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

- Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

**Unsuitable extinguishing media**

- Full water jet.

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

- Fire may produce:  
carbon monoxide and carbon dioxide  
Hydrocarbons

**5.3. Advice for firefighters**

- Wear self-contained breathing apparatus and protective suit.

**Additional information**

- Cool containers at risk with water spray jet.
- Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures**

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

- In case of vapour formation use respirator.
- Ensure adequate ventilation.
- Use personal protective clothing.
- Keep away sources of ignition.

**6.2. Environmental precautions**

- Do not discharge into the drains/surface waters/ground water.

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

- Shovel into suitable container for disposal.
- Soak up with inert absorbent material (e.g. vermiculite, clean sand).
- Dilute larger quantities of desensitization agent (e.g. fuel oil) to < 10% before disposal.
- Do not keep container sealed.

**6.4. Reference to other sections**

- Observe protective instructions (see Sections 7 and 8).
- Information for disposal see section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

- Do not breathe vapours.



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Wash hands before breaks and at the end of workday.  
Keep away from acids, bases, heavy metal salts and reducing agents.

### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.  
Keep away from open flames, hot surfaces and sources of ignition.  
Use explosion-proof equipment / fittings and non-sparking tools.

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

#### Requirements for storage rooms and vessels

Keep only in original container.  
Keep container tightly closed in a dry, cool and well-ventilated place.  
Protect against direct sun radiation.  
Recommended storage temperature: 0°C - 30°C

#### Advice on storage compatibility

Incompatible with:  
Reducing agents., Heavy metal salts, Acids and bases.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

Hardener

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1338-23-4	Methyl ethyl ketone peroxides (MEKP)	-	-		TWA (8 h)	WEL
		0.2	1.5		STEL (15 min)	WEL

#### Additional advice on limit values

No data available.

### 8.2. Exposure controls

#### Appropriate engineering controls

Pay attention to anti-explosion protection rules.  
Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Do not inhale vapours.  
Avoid contact with eyes and skin.  
Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Remove and wash contaminated clothing before re-use.

#### Eye/face protection

Tightly fitting goggles (EN 166).  
Eye wash bottle with pure water (EN 15154).

#### Hand protection

Chemical protective gloves made of nitrile, nitrile/cotton, butyl or neoprene, with a minimum thickness of 0.7 mm, permeation time of approx. 480 minutes.  
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.



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Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

### Skin protection

Long sleeved clothing (EN 368).

Apron (EN 467).

### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Colourless
Odour:	Characteristic

#### Test method

#### Changes in the physical state

Melting point:	< - 25 °C
Initial boiling point and boiling range:	n.a. Decomposition
Flash point:	n.a.

#### Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosion limits:	n.a.
Upper explosion limits:	
Ignition temperature:	n.a.
Decomposition temperature:	> 60 °C
Density (at 20 °C):	1,01 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Immiscible

#### Solubility in other solvents

Phthalates: Miscible

Viscosity / kinematic: (at 20 °C)	13 mm <sup>2</sup> /s
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### 9.2. Other information

Refractive index: 1,438  
SADT approx. + 60°C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored normally.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reacts with:

Soil, rust, chemicals, strong acids and bases and accelerators ( heavy metal salts, amines).



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**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Self-Accelerating decomposition temperature (SADT) from 60°C (SADT).

**10.5. Incompatible materials**

Soil, rust, chemicals, strong acids and bases and accelerators ( heavy metal salts, amines).

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide  
Hydrocarbons

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Harmful if swallowed.  
No toxicological data available.

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**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.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecological data are not available.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

**12.6. Other adverse effects**

Low hazard to waters.

**Further information**

Do not release undiluted into wastewater or drainage ditch.  
Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances  
Classified as hazardous waste.

**Contaminated packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:** UN 3105  
**14.2. UN proper shipping name:** ORGANIC PEROXIDE TYPE D, LIQUID (Butanone peroxide)  
**14.3. Transport hazard class(es):** 5.2  
**14.4. Packing group:** -  
Hazard label: 5.2



Classification code: P1  
Limited quantity: 125 mL / 30 kg  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 3105  
**14.2. UN proper shipping name:** ORGANIC PEROXIDE TYPE D, LIQUID (Butanone peroxide)  
**14.3. Transport hazard class(es):** 5.2  
**14.4. Packing group:** -  
Hazard label: 5.2



Classification code: P1  
Limited quantity: 125 mL / 30 kg  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number:** UN 3105

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**14.2. UN proper shipping name:** ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide)  
**14.3. Transport hazard class(es):** 5.2  
**14.4. Packing group:** -  
 Hazard label: 5.2



Marine pollutant: No  
 Limited quantity: 125 mL / 30 kg  
 Excepted quantity: E0  
 EmS: F-J, S-R

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3105  
**14.2. UN proper shipping name:** ORGANIC PEROXIDE TYPE D, LIQUID (Methyl ethyl ketone peroxide)  
**14.3. Transport hazard class(es):** 5.2  
**14.4. Packing group:** -  
 Hazard label: 5.2



Limited quantity Passenger: Forbidden  
 Passenger LQ: Forbidden  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 570  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 570  
 IATA-max. quantity - Cargo: 10 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

The transport takes place only in approved and appropriate packaging.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

2004/42/EC (VOC): 0 %

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - water contaminating

**Additional information**

Consider Chemical prohibition regulation.





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### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### Relevant H and EUH statements (number and full text)

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*