



Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 7

LOCTITE 3555 LIGHT CURE

sds no. : 279951
V002.1

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

LOCTITE 3555 LIGHT CURE

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

Intended use:

Acrylic Adhesive

Details of the supplier of the safety data sheet:

Henkel Ireland Limited
Product Safety & Regulatory Affairs
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Dublin 24

Ireland

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24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

Classification of the substance or mixture:

Classification (DPD):

Xn - Harmful

R20 Harmful by inhalation.

Xi - Irritant

R43 May cause sensitisation by skin contact.

Label elements (DPD):

Xn - Harmful

**Risk phrases:**

R20 Harmful by inhalation.
R43 May cause sensitisation by skin contact.

Safety phrases:

S23 Do not breathe vapour.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.

Contains:

2-Propenamide, N,N-dimethyl-,
Hexafunctional urethane acrylate ester~,
Bis(2,4,6-Trimethylbenzoyl)phenylphosphine oxide

Other hazards:

None if used properly.

3. Composition/information on ingredients

General chemical description:

Acrylate adhesive

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
2-Propenamide, N,N-dimethyl- 2680-03-7	220-237-5	10- 30 %	
Hexafunctional urethane acrylate ester~		1- 10 %	
Bis(2,4,6- Trimethylbenzoyl)phenylphosphine oxide 162881-26-7		1- 10 %	Chronic hazards to the aquatic environment 4 H413 Skin sensitizer 1 H317

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
2-Propenamide, N,N-dimethyl- 2680-03-7	220-237-5	10 - 30 %	T - Toxic; R21/22, R23
Hexafunctional urethane acrylate ester~		1 - 10 %	Xi - Irritant; R36/37/38, R43
Bis(2,4,6- Trimethylbenzoyl)phenylphosphine oxide 162881-26-7		1 - 10 %	R43 R53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

Description of first aid measures:

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice.

Most important symptoms and effects, both acute and delayed:

SKIN: Rash, Urticaria.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:

Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

None known

Special hazards arising from the substance or mixture:

None
Oxides of carbon.

Advice for firefighters:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid skin and eye contact.

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Reference to other sections:

See advice in chapter 8

7. Handling and storage

Precautions for safe handling:

- Use only in well-ventilated areas.
- Avoid skin and eye contact.
- Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Hygiene measures:

- Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

- Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

Specific end use(s):

- Acrylic Adhesive

8. Exposure controls/personal protection

Control parameters:**Exposure controls:****Respiratory protection:**

- Use only in well-ventilated areas.

Hand protection:

- The use of chemical resistant gloves such as Nitrile are recommended.
- Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
- Chemical-resistant protective gloves (EN 374).
- Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
 - nitrile rubber (NBR; ≥ 0.4 mm thickness)
- Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
 - nitrile rubber (NBR; ≥ 0.4 mm thickness)
- This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

- Wear protective glasses.

Skin protection:

- Wear suitable protective clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	liquid Pale yellow
Odor	Mild
pH	No data available / Not applicable
Initial boiling point	> 149 °C (> 300.2 °F)
Flash point	> 93 °C (> 199.4 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	< 6,6661180 mbar
Density	No data available / Not applicable
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable

Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (Solvent: Water)	Slight
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

10. Stability and reactivity

Reactivity:

Strong oxidizing agents.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

Hazardous decomposition products:

carbon oxides.
nitrogen oxides

11. Toxicological information

General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

May cause irritation to the digestive tract.

Inhalative toxicity:

Harmful by inhalation.

Skin irritation:

May cause sensitization by skin contact.

Eye irritation:

not irritating

12. Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Bis(2,4,6- Trimethylbenzoyl)phenylphos phine oxide 162881-26-7		aerobic	1 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Bis(2,4,6- Trimethylbenzoyl)phenylphos phine oxide 162881-26-7		< 5				OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish)
Bis(2,4,6- Trimethylbenzoyl)phenylphos phine oxide 162881-26-7	5,8					OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)

13. Disposal considerations**Waste treatment methods:****Product disposal:**

Dispose of in accordance with local and national regulations.

Contribution of this product to waste is very insignificant in comparison to article in which it is used

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

14. Transport information**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

15. Regulatory information

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

16. Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R21/22 Harmful in contact with skin and if swallowed.
- R23 Toxic by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R43 May cause sensitisation by skin contact.
- R53 May cause long-term adverse effects in the aquatic environment.

- H317 May cause an allergic skin reaction.
- H413 May cause long lasting harmful effects to aquatic life.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.