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

Loctite 3554 light CURE ->END MSDS LABEL NAME ->PACKAGING_AND_CHEMISTRY IDH NBR OF MAIN PACK.ELEMENT: 0 IDH NBR OF PALLET: - IRIS RE

sds no. : 279950
V002.1
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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Loctite 3554 light CURE ->END MSDS LABEL NAME ->PACKAGING_AND_CHEMISTRY IDH NBR OF MAIN PACK.ELEMENT: 0 IDH NBR OF PALLET: - IRIS RE

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:

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2. Hazards identification

Classification of the substance or mixture:

Classification (DPD):

Xn - Harmful
R20 Harmful by inhalation.
Sensitizing
R43 May cause sensitisation by skin contact.
Xi - Irritant
R36/38 Irritating to eyes and skin.

Label elements (DPD):

Xn - Harmful

Risk phrases:
R20 Harmful by inhalation.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.

Safety phrases:
S23 Do not breathe vapour.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water and soap.
S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.

Contains:
2-Propenamide, N,N-dimethyl-,
1,6-Hexanediol diacrylate,
Hexafunctional urethane acrylate ester~,
Bis(2,4,6-Trimethylbenzoyl)phenylphosphine oxide

Other hazards:
None if used properly.

3. Composition/information on ingredients

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	20- 30 %	
1,6-Hexanediol diacrylate 13048-33-4	235-921-9	10- 20 %	Serious eye irritation 2 H319 Skin sensitizer 1 H317 Skin irritation 2 H315
Hexafunctional urethane acrylate ester~		1- 10 %	
Bis(2,4,6-Trimethylbenzoyl)phenylphosphine oxide 162881-26-7		1- 5 %	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	20 - 30 %	T - Toxic; R21/22, R23
1,6-Hexanediol diacrylate 13048-33-4	235-921-9	10 - 20 %	Xi - Irritant; R36/38 R43
Hexafunctional urethane acrylate ester~		1 - 10 %	Xi - Irritant; R36/37/38, R43
Bis(2,4,6- Trimethylbenzoyl)phenylphosphine oxide 162881-26-7		1 - 5 %	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
carbon oxides.

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.
See advice in chapter 8

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.
Dispose of contaminated material as waste according to Chapter 13.

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.
Initial boiling point	> 149 °C (> 300.2 °F)
Flash point	91,5 °C (196.7 °F)
Decomposition temperature	No data available.
Vapour pressure (20,0 °C (68 °F))	< 6,6661180 mbar
Density ()	1,0934 g/cm3
Bulk density	No data available.
Viscosity	No data available.
Viscosity (kinematic)	No data available.
Explosive properties	No data available.
Solubility (qualitative) (Solvent: Water)	Slight
Solidification temperature	No data available.
Melting point	No data available.
Flammability	No data available.
Auto-ignition temperature	No data available.
Explosive limits	No data available.
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapor density	No data available.
Oxidising properties	No data available.

Other information:

No data available.

10. Stability and reactivity

Reactivity:
Reaction with strong oxidants.

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.

Incompatible materials:
No data available.

Hazardous decomposition products:
nitrogen oxides
carbon 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:

It is irritating and sensitising to the skin

Eye irritation:

Irritating to eyes.

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)phenylphosphine 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)phenylphosphine oxide 162881-26-7	5,8	< 5				OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish) OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Bis(2,4,6-Trimethylbenzoyl)phenylphosphine oxide 162881-26-7						

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

Road transport ADR:
Not dangerous goods

Railroad transport RID:
Not dangerous goods

Inland water transport ADN:
Not dangerous goods

Marine transport IMDG:
Not dangerous goods

Air transport IATA:
Not dangerous goods

15. Regulatory information

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

VOC content	< 3,00 % (As defined in the Council Directive 2004/42/EC)

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.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R53 May cause long-term adverse effects in the aquatic environment.

H315Causes skin irritation.
H317May cause an allergic skin reaction.
H319Causes serious eye irritation.
H413May 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 it's subsequent amendments, and Commission Directive 1999/45/EC.