



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

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Loctite INI 1

sds no. : 357519

V003.0

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

**Product identifier:**

Loctite INI 1

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

Intended use:

Adhesive

**Details of the supplier of the safety data sheet:**

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Great Britain

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### SECTION 2: Hazards identification

**Classification of the substance or mixture:**

**Classification (DPD):**

Xn - Harmful

R21/22 Harmful in contact with skin and if swallowed.

Sensitizing

R43 May cause sensitisation by skin contact.

Xi - Irritant

R36/38 Irritating to eyes and skin.

**Label elements (DPD):**

Xn - Harmful

**Risk phrases:**

R21/22 Harmful in contact with skin and if swallowed.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.

**Safety phrases:**

S23 Do not breathe vapour/spray.  
S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37 Wear suitable protective clothing and gloves.

**Additional labeling:**

For consumer use only: S2 Keep out of the reach of children  
S46 If swallowed, seek medical advice immediately and show this container or label.

**Contains:**

Diethyl-phenyl-propyl-dihydropyridine,  
2-Ethylhex-2-enal

**Other hazards:**

None if used properly.

**SECTION 3: Composition/information on ingredients****General chemical description:**

Adhesive

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

Contains no dangerous substances exceeding the limits of the EU-Regulation

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Diethyl-phenyl-propyl-dihydropyridine 34562-31-7	252-091-3	$\geq 50 - \leq 100$ %	Xn - Harmful; R21/22 Xi - Irritant; R36/38
2-Ethylhex-2-enal 645-62-5	211-448-3	$\geq 1 - < 10$ %	Xi - Irritant; R38, R43 R52/53

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.

**SECTION 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:**

INGESTION: Nausea, vomiting, diarrhoea, abdominal pain.

SKIN: Rash, Urticaria.

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

## SECTION 5: Firefighting measures

**Extinguishing media:**

**Suitable extinguishing media:**

Carbon dioxide, foam, powder

**Advice for firefighters:**

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

## SECTION 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

## SECTION 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:**

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool, well-ventilated place.

**Specific end use(s):**  
Adhesive

## SECTION 8: Exposure controls/personal protection

**Control parameters:**

Valid for  
Great Britain

None

**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.

Eye protection:

Wear protective glasses.

Skin protection:

Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

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

Appearance	liquid Translucent yellow
Odor	strong, sweet

pH	not applicable
Initial boiling point	165,0 °C (329 °F)
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
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)	Insoluble
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

**SECTION 10: Stability and reactivity****Reactivity:**

Reacts with acids.  
Reacts with strong oxidants.

**Chemical stability:**

Stable under recommended storage conditions.

**Possibility of hazardous reactions:**

See section reactivity

**Conditions to avoid:**

None if used for intended purpose.

**Incompatible materials:**

None if used properly.

**Hazardous decomposition products:**

Oxides of nitrogen.

**SECTION 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:**

Harmful if swallowed.

**Inhalative toxicity:**

May cause irritation to respiratory system and mucous membranes if used in confined spaces.

**Skin irritation:**

Harmful in contact with skin.  
It is irritating and sensitising to the skin

**Eye irritation:**

Irritating to eyes.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-Ethylhex-2-enal 645-62-5	LD50 LCLo	4.675 mg/kg 4 mg/l	oral inhalation		rat rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Diethyl-phenyl-propyl- dihydropyridine 34562-31-7	irritating			
2-Ethylhex-2-enal 645-62-5	irritating		rabbit	

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Diethyl-phenyl-propyl- dihydropyridine 34562-31-7	irritating			
2-Ethylhex-2-enal 645-62-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
2-Ethylhex-2-enal 645-62-5	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
2-Ethylhex-2-enal 645-62-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

**SECTION 12: Ecological information****General ecological 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.

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

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
2-Ethylhex-2-enal 645-62-5	LC50	10 - 22 mg/l	Fish	96 h	Leuciscus idus	EU Method C.2 (Acute Toxicity for Daphnia)
2-Ethylhex-2-enal 645-62-5	EC50	20 mg/l	Daphnia	48 h	Daphnia magna	
2-Ethylhex-2-enal 645-62-5	EC50	27,7 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
2-Ethylhex-2-enal 645-62-5	readily biodegradable	aerobic	75 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
2-Ethylhex-2-enal 645-62-5	2,38				23 °C	OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)

**SECTION 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

## SECTION 14: Transport information

**General information:**

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

## SECTION 15: Regulatory information

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

VOC content 100 % (As defined in the Council Directive 2004/42/EC)  
(2004/42/EC)



## SECTION 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.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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.