

**Three Bond 1324**

Material number TB1324

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Three Bond 1324

**1.2 Relevant identified uses of the substance or mixture and uses advised against**General use: Adhesive  
For industrial purposes only**1.3 Details of the supplier of the safety data sheet**

Company name: Three Bond GmbH  
Street/POB-No.: Heerdter Lohweg 55  
Postal Code, city: 40549 Duesseldorf  
Germany  
WWW: www.threebond.de  
E-mail: info@threebond.de  
Telephone: 0049-(0)211-530641-10  
Telefax: 0049-(0)211-530641-41  
Dept. responsible for information:  
Telephone: 0049-(0)211-530641-0, Email: msds@threebond.de

Additional information: Manufacturer:  
Three Bond Europe S.A.S.  
26 Avenue des Bethunes Parc d'Activites des Bethunes  
95310 Saint Ouen L'Aumone, France  
Tel: +33-(0)1-34 32 39 60  
Fax: +33-(0)1-34 32 39 61

**1.4 Emergency telephone number****GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
STOT SE 3; H335 May cause respiratory irritation.

**2.2 Label elements****Labelling (CLP)**

Signal word:

**Warning**



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

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Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
Precautionary statements:		
	P261	Avoid breathing vapours.
	P264	Wash hands and face thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CENTER/doctor if you feel unwell.
	P403+P233	Store in a well-ventilated place. Keep container tightly closed.

### Special labelling

Text for labelling: Contains bisphenol A epoxy resin, 2,2'-Ethylenedioxydiethyl dimethacrylate, Dodecane-1-thiol, cumene hydroperoxide.

### 2.3 Other hazards

No risks worthy of mention.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 260-363-8 CAS 56744-60-6	Bisphenol A dimethacrylate ethoxylated	>= 80 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. STOT SE 3; H335.
EC No. 203-652-6 CAS 109-16-0	2,2'-Ethylenedioxydiethyl dimethacrylate	< 5 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.
REACH 01-2119475796-19-xxxx EC No. 201-254-7 CAS 80-15-9	Cumene hydroperoxide	1 %	Org. Perox. EF; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1B; H314. STOT RE 2; H373. Aquatic Chronic 2; H411.
EC No. 203-984-1 CAS 112-55-0	Dodecane-1-thiol	< 0.5 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. Skin Sens. 1; H317. STOT SE 3; H335.

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General information: Take off immediately all contaminated clothing.
- In case of inhalation: Provide fresh air. Seek medical attention.  
If victim is at risk of losing consciousness, position and transport on their side.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Seek medical attention if problems persist.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Immediately get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

- In case of inhalation: Irritant.  
After contact with skin: Irritant. May cause sensitization by skin contact.  
After eye contact: Irritant.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media:  
Carbon dioxide, extinguishing powder, water fog.  
In case of large fires: water fog or alcohol resistant foam.
- Extinguishing media which must not be used for safety reasons:  
strong water jet

### 5.2 Special hazards arising from the substance or mixture

- In case of fire may be liberated: carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters:  
Wear self-contained breathing apparatus.
- Additional information: Hazchem-Code: -  
Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Do not breathe vapour/aerosol. Avoid contact with skin, eyes, and clothing.  
Wear appropriate protective equipment.  
Keep unprotected people away. Provide adequate ventilation.

### 6.2 Environmental precautions

- Do not allow to penetrate into soil, waterbodies or drains.

### 6.3 Methods and material for containment and cleaning up

- Collect with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents, or sawdust) and place in closed containers for disposal.



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Additional information: If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Wear appropriate protective equipment. Provide good ventilation in the work area. Do not breathe vapours. Avoid contact with skin and eyes.

Precautions against fire and explosion: Protect from heat and direct sunlight.

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

Requirements for storerooms and containers: Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

Hints on joint storage: Do not store together with oxidizing and acidic materials as well as heavy-metal compounds. Keep away from amines, acids, basic agents, heavy metals (e.g. from accelerating agents and drying materials).

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
112-55-0	Dodecane-1-thiol	Ireland: 8 hours	0.1 ppm

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection. Use filter type A according to EN 14387.

Hand protection: Protective gloves according to EN 374. Glove material: Butyl caoutchouc (butyl rubber)-Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear closed work clothing.

General protection and hygiene measures: Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid Colour: red
Odour:	weak
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.10 g/mL
Water solubility:	at 20 °C: insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Decomposition temperature:	No data available
Viscosity, dynamic:	at 25 °C: 600 mPa*s
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available

### 9.2 Other information

Ignition temperature:	> 200 °C
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.  
Shelf life: 9 months

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

oxidizing agents, reducing agent, acids, alkalis, heavy metals.

### 10.6 Hazardous decomposition products

In case of fire may be liberated: carbon monoxide and carbon dioxide.

Thermal decomposition:	No data available
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.  
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): STOT SE 3; H335 = May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation: Irritant.  
After contact with skin: Irritant. May cause sensitization by skin contact.  
After eye contact: Irritant.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste key number: 08 04 09\* = Waste adhesives and sealants containing organic solvents or other dangerous substances.

MFSU = manufacture, formulation, supply and use

\* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.

##### Contaminated packaging

Recommendation: Waste key number 150102 (plastic container)

Waste key number 150104 (Packages of metal)

Dispose of waste according to applicable legislation.

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

#### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

#### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

#### 14.5 Environmental hazards

Marine pollutant:

no

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available

### SECTION 15: Regulatory information

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

##### National regulations - Great Britain

Hazchem-Code:

-

No data available

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**National regulations - EC member states****Labelling of packaging with <= 125mL content**

Signal word:

**Warning**

Hazard statements:

H317

May cause an allergic skin reaction.

Precautionary statements:

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of water/soap.

**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.

**SECTION 16: Other information****Further information**

Wording of the H-phrases under paragraph 2 and 3:

H242 = Heating may cause a fire.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H314 = Causes severe skin burns and eye damage.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H331 = Toxic if inhaled.

H335 = May cause respiratory irritation.

H373 = May cause damage to organs through prolonged or repeated exposure.

H411 = Toxic to aquatic life with long lasting effects.

Reason of change:

General revision (Regulation (EU) No 2015/830)

Date of first version:

17/5/2004

**Department issuing data sheet**

Contact person:

see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.