

Trade name: Bondic

Version: 1 / US

Date revised: 22.08.2022

Replaces Version: - / US

Print date: 22.08.22

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

### **1.1. Product identifier**

Bondic 70321

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

#### **Identified Uses**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
PC1 Adhesives, sealants

#### **Uses advised against**

SU21 Consumer uses: Private households (= general public = consumers)

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

#### **Address/Manufacturer**

Laser Bonding Tech Inc.  
235 Industrial Pkwy. S. #18  
Aurora, ON L4G3V5 Canada  
Telephone no. 855-688-2458  
E-mail address of support@bondicna.com  
person responsible  
for this SDS

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### **1.4. Emergency telephone number**

For emergencies involving a spill, leak, fire, exposure or accident, contact CHEMTREC (0800) 424-9300. For emergency calls originating outside the United States (202) 483-7616

## **SECTION 2: Hazards identification**

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

#### **Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200**

Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Acute Tox. 4	H302
Acute Tox. 5	H313
Eye Dam. 1	H318
Skin Sens. 1	H317

### **2.2. Label elements**

#### **Labelling according to OSHA Hazard Communication Standard 29 CFR 1910:1200**

#### **Hazard pictograms**



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**Signal word**

Danger

**Hazard statements**

H302 Harmful if swallowed.  
 H313 May be harmful in contact with skin  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.

**Precautionary statements**

**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264.1 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 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 or doctor.  
 P330 Rinse mouth.  
 P333 If skin irritation or rash occurs:  
 P362+P364 Take off contaminated clothing and wash it before reuse.

**Storage/Disposal**

P501.1 Dispose of contents/container to industrial incineration plant.

**2.3. Other hazards**

No special hazards have to be mentioned.

**SECTION 3: Composition/information on ingredients**

**Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200**

**N,N-dimethylacrylamide**

CAS No.	2680-03-7				
Concentration	>=	15	<	25	%

**Isobornyl acrylate**

CAS No.	5888-33-5				
Concentration	>=	2,5	<	10	%

**ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate**

CAS No.	84434-11-7				
Concentration	>=	2,5	<	10	%

**2-Hydroxy-2-methylpropiophenone**

CAS No.	7473-98-5				
Concentration	>=	1	<	3,3	%

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

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Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. In any case show the physician the Safety Data Sheet.

#### **After inhalation**

Ensure supply of fresh air. Remove affected person from danger area. When vapours are intensively inhaled, seek medical help immediately.

#### **After skin contact**

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

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

#### **After ingestion**

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### **Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### **Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry powder, Foam, Carbon dioxide

#### **Non suitable extinguishing media**

Full water jet

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

In case of combustion evolution of dangerous gases possible.

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

#### **Other information**

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.

## **SECTION 6: Accidental release measures**

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

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### **6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Observe the usual precautions for handling chemicals. Keep container tightly closed.

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

#### **Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

#### **Hints on storage assembly**

Do not store together with foodstuffs.

#### **Further information on storage conditions**

Protect from heat and direct sunlight. Keep container tightly closed and dry in a cool, well-ventilated place. Keep locked up and out of the reach of children. Observe TDS precautions.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Other information**

There are not known any further control parameters.

### **8.2. Exposure controls**

#### **General protective and hygiene measures**

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Short term: filter apparatus, Filter A; Use NIOSH approved respirator if there is potential to exceed exposure limits. If this material is handled at elevated temperatures, or under mist-forming conditions without engineering controls, a NIOSH approved respirator must be used.

#### **Hand protection**

Chemical resistant gloves

Use	Short-term hand contact
Appropriate Material	nitrile
Material thickness	>= 0,4
Breakthrough time	> 480

#### **Eye protection**

Safety glasses with side protection shield; Face shield

#### **Body protection**

Clothing as usual in the chemical industry. Protective shoes

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## **SECTION 9: Physical and chemical properties**

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

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	characteristic
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Remarks	not determined
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Initial boiling point and boiling range</b>	
Remarks	not determined
<b>Flash point</b>	
Value	> 100 °C
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Flammability (solid, gas)</b>	
not determined	
<b>Upper/lower flammability or explosive limits</b>	
Remarks	not determined
<b>Vapour pressure</b>	
Remarks	not determined
<b>Vapour density</b>	
Remarks	not determined
<b>Density</b>	
Value	appr. 1,1 g/cm <sup>3</sup>
Temperature	25 °C
<b>Solubility in water</b>	
Remarks	not determined
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient: n-octanol/water</b>	
Remarks	not determined
<b>Ignition temperature</b>	
Remarks	not determined
<b>Decomposition temperature</b>	
Remarks	not determined
<b>Viscosity</b>	
Remarks	not determined
<b>Explosive properties</b>	
evaluation	not determined
<b>Oxidising properties</b>	

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Remarks not determined

## 9.2. Other information

### Other information

None known

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

No hazardous reactions known.

#### Decomposition temperature

Remarks not determined

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

Toxic gases/vapours, Irritant gases/vapours

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### National Toxicology Program (NTP)

The product does not contain any listed components.

#### International Agency for research on Cancer (IARC)

The product does not contain any listed components.

#### Acute oral toxicity

ATE	1.737,54	mg/kg
	87	

Method calculated value according to GHS (e.g see UN GHS)

#### Acute oral toxicity (Components)

##### N,N-dimethylacrylamide

Species	rat	
LD50	316	mg/kg

##### N,N-dimethylacrylamide

Species	mouse	
LD50	460	mg/kg

##### 2-Hydroxy-2-methylpropiophenone

Species	rat	
LD50	1694	mg/kg

#### Acute dermal toxicity

ATE	2.883,33	mg/kg
	33	

Method calculated value according to GHS (e.g see UN GHS)

#### Acute dermal toxicity (Components)

##### N,N-dimethylacrylamide

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Species rabbit  
LD50 519 mg/kg

**2-Hydroxy-2-methylpropiophenone**

Species rat  
LD50 6929 mg/kg

**Acute inhalational toxicity**

Remarks not determined

**Acute inhalative toxicity (Components)**

**N,N-dimethylacrylamide**

Species rat  
LC50 0,67 mg/l

**Skin corrosion/irritation**

Remarks not determined

**Serious eye damage/irritation**

Remarks not determined

**Sensitization**

Remarks not determined

**Sensitization (Components)**

**2-Hydroxy-2-methylpropiophenone**

Route of exposure dermal  
Species guinea pig  
evaluation non-sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

Remarks not determined

**Specific Target Organ Toxicity (STOT)**

Remarks not determined

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**General information**

not determined

**Fish toxicity (Components)**

**2-Hydroxy-2-methylpropiophenone**

Species golden orfe (Leuciscus idus)  
LC50 160 mg/l  
Duration of exposure 48 h

**Daphnia toxicity (Components)**

**2-Hydroxy-2-methylpropiophenone**

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Species	Daphnia magna	
EC50	> 119	mg/l
Duration of exposure	48 h	

### Algae toxicity (Components)

#### 2-Hydroxy-2-methylpropiophenone

Species	Scenedesmus subspicatus	
EC50	1,95	mg/l
Duration of exposure	72 h	

#### 2-Hydroxy-2-methylpropiophenone

Species	Scenedesmus subspicatus	
EC10	0,629	mg/l
Duration of exposure	72 h	

## 12.2. Persistence and degradability

### General information

not determined

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient: n-octanol/water

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

## 12.6. Other adverse effects

### General information

not determined

### General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Dispose of waste according to applicable legislation.

#### Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### Ground transport DOT

#### 14.1. UN number

UN 3082

#### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### 14.3. Transport hazard class(es)



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Class 9

Label 9

**14.4. Packing group**

Packing group III

Remarks The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg (SP 375)

Limited Quantity 5 l

Transport category 3

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS

**Marine transport IMDG/GGVSee**

**14.1. UN number**

UN 3082

**14.2. UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3. Transport hazard class(es)**

Class 9

**14.4. Packing group**

Packing group III

Remarks The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.

**14.5. Environmental hazards**

Marine Pollutant

**Air transport ICAO/IATA**

**14.1. UN number**

UN 3082

**14.2. UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3. Transport hazard class(es)**

Class 9

**14.4. Packing group**

Packing group III

Remarks The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information**

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

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the DSL inventory.

All components are contained in the IECSC inventory.

All components are contained in the ECL inventory.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355)**

The product does not contain any listed components.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

The product does not contain any listed components.

**Clean Water Act (CWA) Section 307 Toxic Pollutants (40 CFR 401.15)**

The product does not contain any listed components.

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**Clean Water Act (CWA) Section 311 Toxic Pollutants (40 CFR 116.4)**

The product does not contain any listed components.

**Clean Air Act (CAA) Section 112 Regulated Toxic Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 1+2)**

The product does not contain any listed components.

**Clean Air Act (CAA) Section 112 Regulated Flammable Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 3+4)**

The product does not contain any listed components.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Warning! This product may contain trace quantities of substance(s) known to the state of California to cause cancer and/or reproductive toxicity - not added as a part of the formulation but remaining as residuals from the manufacturing process of our raw material suppliers.

**NFPA Rating Information**



**HMIS® Rating Information**

Health	3
Flammability	1
Physical Hazard	
Personal Protection	

**SECTION 16: Other information**

**Department issuing safety data sheet**

Department product safety

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.