

## Material Safety Data Sheet according to ISO/DIR 11014

SDS # : BONDIC 5998443

**Bondic 5998443**

Issuing date 2014-03-07

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Version 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Bondic 5998443

**Identified uses** Adhesives

**Manufacturer**

Laser Bonding Tech, Inc.  
235 Industrial Parkway S.#21  
Aurora, ON L4G 3V5  
1-855-Not-A-Glue  
1-855-668-2458

**Supplier**

Laser Bonding Tech, Inc.  
235 Industrial Parkway S.#21  
Aurora, ON L4G 3V5  
1-855-Not-A-Glue  
1-855-668-2458

**Information department:**

North American Safety Department @ 1-860-482-1010  
European Safety Department @ +49-(0) 611-962-7900

**Emergency telephone number**

North America: Chemtrec @ 1-800-424-9300 (24hrs)

### 2. HAZARDS IDENTIFICATION

**Warning!**

**Emergency Overview**

Harmful by inhalation, Harmful in contact with skin, Irritating to respiratory system, Severe eye irritation, Vapors may be irritating to eyes, nose, throat, and lungs.

**Appearance** clear to amber

**Physical state** liquid

**Odor** Mild chemical

**Principle Routes of Exposure**

Inhalation, Skin contact, Eye contact, Ingestion.

**Product Description**

**EYES**

Avoid contact with eyes, Risk of serious damage to eyes, Contact with eyes may cause irritation.

**Skin**

Avoid contact with skin, Harmful in contact with skin, May cause eye/skin irritation.

**Inhalation**

Harmful by inhalation, Irritating to respiratory system, May cause irritation of respiratory tract.

**Ingestion**

Harmful if swallowed, Ingestion may cause irritation to mucous membranes.

**Chronic Effects**

Avoid repeated exposure.

**Physical hazards**

None

**Environmental hazard**

See Section 12 for additional Ecological Information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The ingredients listed in this section have been determined to be hazardous and above threshold limits

Hazardous

Chemical Name	CAS-No	Weight %
Oligomer Blend	Proprietary	50-60
1-Propanone, 2-hydroxy-2methyl-1phenyl-	7473-98-5	1-10
Photoinitiator	Proprietary	1-10
Monomer Blend	Proprietary	30-40

**4. FIRST AID MEASURES****General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Skin contact**

Wash off immediately with soap and plenty of water, Get medical attention if irritation develops and persists.

**Eye contact**

Flush eyes with water at least 15 minutes, get medical attention if eye irritation develops or persists.

**Inhalation**

Move to fresh air, If symptoms persist, call a physician.

**Ingestion**

If swallowed, Rinse mouth, Get medical attention.

**Protection of First-aiders**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

**Notes to physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use water spray, foam, dry chemical or carbon dioxide.

**Flammable Properties**

Not flammable.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Hazardous Combustion Products**

Hazardous decomposition products due to incomplete combustion.

**Specific hazards arising from the chemical**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and protective suit.

NFPA  
HMIS

Health Hazard 2  
Health Hazard 2

Flammability 1  
Flammability 1

Stability 1  
Stability 1

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Ensure adequate ventilation. Wear protective gloves/clothing and eye/face protection.

**Environmental precautions**

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Other information**

See Section 12 for additional Ecological information.

7. HANDLING AND STORAGE

**Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice, Ensure adequate ventilation, Protect from light

**Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place, Protect from light, Store at room temperature in the original container

8. PERSONAL PROTECTION

Appropriate engineering controls

**Engineering Measures**

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

**Personal Protective Equipment**

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and/or protective equipment may be required.

**Hand Protection**

Nitrile rubber, Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

**Eye/Face Protection**

Safety glasses with side-shields, If splashes are likely to occur, wear:, Goggles.

**Skin and body protection**

Wear suitable protective clothing.

**Hygiene measures**

Remove and wash contaminated clothing before re-use.

**General Information**

Use personal protective equipment in good condition

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid	<b>Color</b>	Clear to amber
<b>Appearance</b>	Clear to amber	<b>Odor</b>	Mild chemical
<b>pH</b>	No information available	<b>Odor Threshold</b>	No information available
<b>Vapor density</b>	No information available	<b>Boiling point</b>	No information available
<b>Vapor Pressure</b>	6mm of Hg at 30 degrees C	<b>Freezing Point</b>	No information available
<b>Evaporation rate</b>	No information available	<b>Specific Gravity</b>	Not applicable
<b>Flash point</b>	94 °C / 200 °F	<b>Viscosity</b>	4500cP to 6500cP

**10. STABILITY AND REACTIVITY****Stability**

Stable under normal conditions.

**Incompatible products**

Amines, Strong oxidizing agents, Strong acids, Strong bases, Oxygen scavengers, Thiosulfates.

**Conditions to Avoid**

Protect from light, Heat, flames and sparks.

**Hazardous Decomposition Products**

No decomposition if stored and applied as directed.

**Hazardous Polymerization**

None under normal processing.

**Hazardous Products Formed by Fire or Thermal Decomposition**

Toxic fumes: oxides of carbon and nitrogen may be evolved upon exposure to heat of open flame

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-Propanone, 2-hydroxy-2methyl-1-phenyl-	1694 mg/kg (Rat)	6930 mg/kg (Rat)	Not determined

**Potential Health Effects****Eye Irritation**

May cause eye irritation with susceptible persons.

**Skin irritation**

May cause skin irritation and/or dermatitis.

**Inhalation**

May cause irritation of respiratory tract.

**Ingestion**

Harmful if swallowed, Ingestion may cause irritation to mucous membranes.

**Carcinogenicity**

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity****Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to invertebrates
1-Propanone, 2-hydroxy-2methyl-1-phenyl-	0.64 ppm EC50 72 hour (Green algae)	LC50 160 ppm 96 hour (Golden orfe)	Not determined

**Effects on terrestrial organisms**

No information available

**Persistence and degradability**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

Dispose of waste in compliance with local and national regulations.

**US EPA Waste Number**

Not applicable

## 14. TRANSPORT INFORMATION

**DOT** Not regulated**IMDG / IMO** Not regulated**ICAO/IATA** Not regulated

## 15. OTHER INFORMATION

**Revision Date** 2014-10-01**Revision Note** No information available.**Disclaimer**

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Laser Bonding Tech, Inc. and its subsidiaries and affiliates (LBTI). The information in this SDS relates only to the specific material designated herein. Laser Bonding Tech, Inc. assumes no legal responsibility for use of or reliance upon the information in this SDS.

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