



# IBI SCIENTIFIC

9861 Kapp Court ■ Peosta, IA 52068  
**Tele:** (563) 690-0484 ■ 1-800-253-4942  
**Fax:** (563) 690-0490 ■ **E-Mail:** [info@ibisci.com](mailto:info@ibisci.com)  
**Web:** [www.ibisci.com](http://www.ibisci.com)

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## 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name:** DNA Ladder – 1KB  
**Product Code:** IB01350 & IB01351  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use

**Company:** IBI SCIENTIFIC  
9861 Kapp Court  
Peosta, IA 52068

**Emergency Tele. Number:** 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703  
**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484  
**E-Mail Address:** [info@ibisci.com](mailto:info@ibisci.com)

## 2. HAZARDOUS IDENTIFICATION

### GHS – Classification

**Classification:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

### **Emergency Overview:**

**Appearance:** Clear  
**Physical State:** Liquid  
**Odor:** No information

**Hazards not otherwise Classified (HNOC):** Not regulated

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Non-hazardous ingredients  
**EC No.:** -  
**REACH Reg. No.:** Not Available  
**CAS No.:** None  
**Weight %:** 95 - 100  
**Classification:** -

## 4. FIRST AID MEASURES

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.  
**Skin Contact:** Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.  
**Inhalation:** Move to fresh air. If not breathing, give artificial respiration.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth.  
**Notes to Physician:** Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Not flammable  
**Flash Point:** Not determined  
**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Explosion Data**  
Sensitivity to Mechanical Impact: Not sensitive  
Sensitivity to Static Discharge: Not sensitive

**Protective Equip. & Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Ensure adequate ventilation, especially in confined areas.  
**Environmental Precautions:** See Section 12 for additional ecological information.  
**Methods for Containment:** Prevent further leakage or spillage, if safe to do so.  
**Methods for Cleaning Up:** Cover with dry lime or soda ash. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

#### 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice.  
**Storage:** Keep container tightly closed in a dry, cool, and well-ventilated place.  
**Incompatible Products:** Strong oxidizing agents.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Chemical Name:** Non-hazardous Ingredients  
ACGIH TLV: -  
OSHA PEL: -  
NIOSH IDLH: -

**Engineering Measures:** Showers, Eyewash Stations, Ventilation Systems

**Personal Protective Equipment**  
Eye/Face Protection: Safety glasses with side-shields. Avoid contact with eyes.  
Skin & Body Protection: Wear protective gloves/clothing.  
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear
<b>Odor:</b>	No information available
<b>Odor Threshold:</b>	No information available
<b>Decomposition Temp. °C:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Initial Boiling Point:</b>	No information available
<b>Physical State:</b>	Liquid
<b>pH:</b>	No information available
<b>Flash Point:</b>	Not determined
<b>Autoignition Temp. °C:</b>	No data available
<b>Boiling Point/Range:</b>	No data available
<b>Melting Point/Range:</b>	No data available
<b>Flammability Limits (Air):</b>	<u>Upper</u> -No data available * <u>Lower</u> -No data available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>MMHG @ 37.8°C:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Specific Gravity:</b>	No data available
<b>Solubility:</b>	No information available
<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Viscosity:</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions
<b>Incompatible Products:</b>	Strong oxidizing agents
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight
<b>Hazardous Decomposition Products:</b>	None known based on information supplied.
<b>Hazardous Polymerization:</b>	Hazardous polymerization does not occur.

### 11. TOXICOLOGICAL INFORMATION

#### **Information on likely routes of exposure**

Product Information:	Inhalation: There is no data available for this product Eye Contact: There is no data available for this product Skin Contact: There is no data available for this product Ingestion: There is no data available for this product
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Chemical Name:	Non-hazardous Ingredients
LD50 Oral:	-
LD50 Dermal:	-
LC50 Inhalation:	-

#### **Information on toxicological effects**

Symptoms:	No information available
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#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization:	No information available.
Mutagenic Effects:	No information available.
Carcinogenicity	No information available.

**Chemical Name:** Non-hazardous Ingredients  
ACGIH: -  
IARC: -  
NTP: -  
OSHA: -

**Reproductive Toxicity** No information available  
**STOT – single exposure** No information available  
**STOT – repeated exposure** No information available  
**Aspiration hazard** No information available

## 12. ECOLOGICAL INFORMATION

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Chemical Name:** Non-hazardous Ingredients  
Algae/Aquatic Plants: -  
Toxicity to Fish: -  
Crustacea: -

**Persistence and Degradability** No information available

**Bioaccumulation/Accumulation** No information available

**Chemical Name:** Non-hazardous Ingredients  
Partition coefficient: -

**Other Adverse Effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Water Disposal Method:** Dispose of material in accordance with all federal, state, and local regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**Chemical Name:** Non-hazardous Ingredients  
RCRA-Halogenated Organic Compounds: -  
RCRA-P Series Wastes: -  
RCRA-F Series Wastes: -  
RCRA-K Series Wastes: -

**Chemical Name:** Non-hazardous Ingredients  
California Hazardous Waste Status: -

## 14. TRANSPORT INFORMATION

**IATA**

Not regulated

**US DOT**

Not regulated

## 15. TOXICOLOGICAL INFORMATION

**International Inventories**

TSCA: Does not comply  
DSL/NDSL: Does not comply  
EINECS/ELINCS: Does not comply  
ENCS: Does not comply  
IECSC: Does not comply  
KECL: Does not comply  
PICCS: Does not comply  
AICS: Does not comply

**Legend**

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS: European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Sub.  
ENCS: Japan Existing and New Chemical Substances  
IECSC: China Inventory of Existing Chemical Substances  
KECL: Korean Existing and Evaluated Chemical Substances  
PICCS: Philippines Inventory of Chemicals and Chemical Substances  
AICS: Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

<b>Chemical Name:</b>	Non-hazardous Ingredients
CWA – Reportable Quantities:	-
CWA – Toxic Pollutants:	-
CWA – Priority Pollutants:	-
CWA – Hazardous Substances:	-

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

<b>Chemical Name:</b>	Non-hazardous Ingredients
Hazardous Substances RQs:	-
Extremely Hazardous Substances RQs:	-
RQ:	-

**U.S. State Right-to-Know Regulations**

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

<b>State</b>	Non-hazardous Ingredients
Massachusetts	-
New Jersey	-
Pennsylvania	-

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not regulated.

**International Regulations**

**Canada** No information available

**16. OTHER INFORMATION**

**Issuing Date:** 19-Jan-2016  
**Revision Date:** -  
**Revision Note:** -  
**Recommended Restrictions:** No information available  
**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

**End of Safety Data Sheet**