

SAFETY DATA SHEET (SDS)

Shark attack!

Issue date: 05-01-2020

Section 1: Product Identifier and Chemical Identity

Product Identifier		
Product Name:	DNA fingerprinting lab: Shark attack!	
Product Codes:	KT-1500-03	
Other means of identification:		
External product name and code/s:		
Manufacturer:		
Amplyus LLC	1700 Massachusetts Avenue, Suite 167, Cambridge Massachusetts, USA Website: www.minipcr.com	
Suppliers name, address and phone number		
Suppliers Name:	Southern Biological	
Suppliers ABN:	94 630 703 810	
Suppliers Address:	1/44 Rushdale Street Knoxfield Victoria 3180 Australia	
Suppliers Phone No.:	1300 138 561	
Suppliers Fax No.:	+613 9753 3896	
Emergency Phone number (BH)	1300 138 561	
SDS list:		
Product name	Expiry	Number of pages
Gel loading dye	04/01/2025	5
DNA fragments	30/09/2025	4



SAFETY DATA SHEET (SDS)
Gel Loading Dye (RG-1502-01)

SECTION 1 — IDENTIFICATION

Product Name	Gel Loading Dye (RG-1502-01)						
Product Use	Gel electrophoresis. This product is for research and development only.						
Supplier's Name	Amplyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	Massachusetts	Zip Code	02140		
Emergency Telephone Number	781-990-8727	Date SDS Prepared	09/28/2019	Date SDS Revised	5/1/2020		
Chemtrec (USA)	n/a	SDS Prepared By	enter text.		Fax	enter text.	

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard		
Hazard statement(s):	Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).		
Precautionary statements (s):	Not applicable		
Hazards not otherwise classified:	Eye: May cause irritation. Skin: May cause irritation.		
Other:	Aggravation of Pre-Existing Conditions: May aggravate pre-existing allergy, eczema, or skin conditions.		

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Not applicable			enter text.
The product contains no substances which at their given concentration, are considered to be hazardous to health			enter text.
Proprietary ingredient(s)	<2.5% by wt.	No data	enter text.

SECTION 4 — FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Possible Symptoms	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Click or tap here to enter text.
Means of Extinction	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.		
Hazardous Combustion Products	No information available		
Protective equipment and precautions for firefighters:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment. Avoid runoff into storm sewers, ditches, and waterways. Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
	Click or tap here to enter text.
Storage Requirements	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
	Click or tap here to enter text.
	Click or tap here to enter text.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal Protective Measures	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Personal Protective Equipment	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Blueish or dark	No data
Odor	Solubility	Partition coefficient
Odorless or mild	In water.	No data.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No data	Not determined.	Not determined.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
No data.	Not determined	No data.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Click or tap here to enter text.	Not determined	Not determined.
pH	Relative Density	Viscosity
No data	No data	Not determined.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Click or tap here to enter text.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong acids and alkalis.

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Specific test data for the substance or mixture is not available.
	Click or tap here to enter text.
	Click or tap here to enter text.
Effects of chronic exposure	Specific test data for the substance or mixture is not available.
	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
Sensitization	Specific test data for the substance or mixture is not available

LD50	2.5 % of the mixture consists of ingredient(s) of unknown toxicity	
Carcinogenicity, reproductive toxicity	No information available	
Other	Click or tap here to enter text.	

SECTION 12 — ECOLOGICAL INFORMATION

No information available

SECTION 13 — DISPOSAL CONSIDERATIONS

Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 — TRANSPORT INFORMATION

Not restricted as a dangerous good.

SECTION 15 — REGULATORY INFORMATION

<p>TSCA Complies DSL/NDSL Complies EINECS/ELINCS – ENCS – IECSC Complies KECL Complies PICCS – AICS – SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. SARA 311/312 Hazard Categories Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. CWA (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).</p>

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.

US State Regulations

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

U.S. State Right-to-Know Regulations This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information EPA Pesticide Registration Number Not applicable

SECTION 16 — OTHER INFORMATION

The information throughout this document is believed to be accurate and represents the best information currently available to Amplyus LLC. However, we make no warranty of accuracy, express or implied, with respect to the information in this document, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Amplyus LLC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Amplyus LLC. has been advised of the possibility of such damages. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product that may not be covered by this document. The user is therefore responsible for full compliance.



SAFETY DATA SHEET (SDS)

DNA Fingerprinting Fragments

SECTION 1 — IDENTIFICATION

Product Name	DNA fragments						
Product Use	Research and Educational use only						
Supplier's Name	Amplyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	+1-781-990-8727		Date SDS Prepared	10/2020	Date SDS Revised	10/2020	
Chemtec (USA)	1-800-262-8200	SDS Prepared By	Amplyus		Fax	888-317-0512	

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)						
Hazard statement(s):	The product contains no substance which at their given concentration, are considered to be hazardous to health						
Precautionary statements (s):	Not applicable						
Hazards not otherwise classified:	Not applicable.						
Other:	Not applicable.						

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
DNA Fragments			

SECTION 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 with soap and plenty of water.
Inhalation	If breathed in, move the person into fresh air. If not breathing, give artificial respiration, if breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Not applicable.
Immediate Care	Not applicable.
Special Treatment Needed	Treat symptomatically

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Not applicable.
Means of Extinction	Dry chemical CO2, water spray or alcohol resistant foam.		
Hazardous Combustion Products	Not applicable		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing prevent contact with skin and eyes.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Apply laboratory handling protocol. Sweep up. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing vapors, mist or gas.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special handling equipment is needed. To avoid contamination use protective gloves.
Storage Requirements	Tightly cap the tube and store in freezer at -20°C

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Contains no substances with occupational exposure limit values.
Personal Protective Measures	General industrial hygiene practice.
Personal Protective Equipment	Follow skin and eye protective measures.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Clear	Data not available.
Odor	Solubility	Partition coefficient
None	Water	Data not available.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Data not available.	Data not available.	Data not available.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Data not available.	Data not available.	Data not available.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Data not available.	Data not available.	Data not available.
pH	Relative Density	Viscosity
~7.0-8.0	Data not available.	Data not available.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Stable at least for 6 months under recommended temperature.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents..

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
Effects of chronic exposure	Data not available.
	Data not available.
	Data not available.
	Data not available.
Sensitization	Data not available.
	Data not available.
LD50	Data not available.
Carcinogenicity, reproductive toxicity	Data not available.
Other	Data not available.

SECTION 12 — ECOLOGICAL INFORMATION

The environmental impact of this product has not been fully investigated

SECTION 13 — DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products.