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RiboLace Ribo-Seq kit (#RL001) Module 1 consist of 11 tubes containing aqueous solutions, salts enzymes, magnetic beads, glycerol and detergents. Components list:

- SDS 10%
- B-buffer (BB)
- W-buffer (WB)
- RiboLace magnetic beads (RmB)
- OH-buffer (OH)
- Proteinase K (K)
- Lysis buffer (LB)
- RiboLace smart probe (RsP)
- Nuclease (Nux)
- mPEG
- Stabilizing Nux Solution (SS)

A Safety Data Sheet is provided for sodium dodecyl sulfate (SDS), 10% Triton X-100, Sodium Hydroxide, Cycloheximide. Nuclease (Nux) and Proteinase K (K) are enzymes present below 0.1% and are supplied in 50% glycerol. A SDS is provided for glycerol. A Safety Data Sheet is provided for RiboLace magnetic beads (RmB) and RiboLace smart probe (RsP). Stabilizing Nux Solution (SS) is present at concentrations <0.1% and is not known to be hazardous.

RiboLace Ribo-Seq kit (#RL001)_Mod. 1 doesn't contain any animal or biological material.

IMMAGINA BIOTECHNOLOGY srl recommends all normal precautions. We recommend always wearing gloves and avoiding direct contact with skin and eyes when handling biochemical and chemical reagents and solutions. Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and IMMAGINA BIOTECHNOLOGY srl assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.

Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
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Chemical Name: Glycerol

This MSDS contains information about glycerol and applies to *IMMAGINA BIOTECHNOLOGY* products supplied as aqueous solutions containing 50% glycerol including Nuclease (Nux) (#RL001-7) and Proteinase K (K) (#RL001-17).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	% Wt
Glycerol	56-81-5	50

Synonyms Glycerin, glyceritol, glycyol alcohol, 1,2,3-Propanetriol, Trihydroxypropane, 1,2,3-trihydroxypropane

Section 3: Hazards Identification

Irritant: Irritating to eyes and skin; target organs kidneys In case of contact with eyes, rinse immediately with copious amounts of water and seek medical attention. Wear suitable protective clothing.

Section 4: First Aid Measures

Emergency and first aid information:

Ingestion: Wash mouth with water and seek medical advice immediately. Do not induce vomiting.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Call a physician if breathing becomes difficult and give oxygen.

Contact: Flush with copious amounts of water for at least 15 minutes while removing clothing and shoes. Consult a physician if persistent rash develops.

Section 5: Fire Fighting Measures

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam. Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact

with skin and eyes. Unusual Fire and explosions hazards: Emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

Wear appropriate protective clothing and respirator. Dike and absorb with a suitable inert absorbent (e.g., sand or vermiculite). Place in closed waste container for disposal. Avoid contact with skin and eyes. Ventilate area and wash spill site after material clean-up is complete.

Section 7: Handling and Storage

Respiratory protection: if needed, use appropriate respiratory protection approved by NIOSH/MSHA or appropriate agency. **Ventilation:** Mechanical (general) or local exhaust as needed. Keep mist levels low. **Personal Protective Equipment:** Protective, chemical-resistant gloves, safety glasses or goggles, and lab coat are recommended. **Access to safety shower and eyewash.** **Work/Hygienic practices:** Avoid contact with eyes, skin and clothes. Wash thoroughly after handling.

Additional Information: Violent or explosive reactions can occur upon direct contact with sodium hydride, phosphorous trioxide, perchloric acid, chlorine, calcium hypochlorite, nitric acid and hydrofluoric acid, nitric acid and sulfuric acid, sodium peroxide, hydrogen peroxide or potassium permanganate.

Section 8: Exposure Controls/Personal Protection

Wear appropriate NIOSH/MSHA- approved respirator, chemical-resistant gloves, safety goggles, and other protective equipment and clothing. Mechanical exhaust required. Safety shower and eye bath. Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Keep in a cool dry place.

Section 9: Physical and Chemical Properties

Appearance and odor: viscous, colorless, odorless liquid

Boiling Point: 182°C @ 20 mm

Solubility in H₂O: Miscible (>10%)

Vapor Density: 3.1

Freezing Pt (50% aqueous sol'n): -23°C

Melting Pt: 20°C

Specific Gravity: 1.261

Vapor Pressure: 3 mm @ 20°C

Flash Point: 176°C

Extinguishing Media: Water, CO₂, Dry chemicals

Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual fire or explosion hazards: Contact with strong oxidizers may cause fire or explosion. May emit toxic fumes.

Section 10: Stability and Reactivity

Stability: Stable

Incompatibility: Strong oxidizing agents, Strong bases

Hazardous decomposition products: Carbon monoxide, carbon dioxide

Hazardous polymerization: Does not occur

Section 11: Toxicological Information

Acute Effects: May be harmful by inhalation, ingestion, or absorption through skin. Causes eye & skin irritation. May be irritating to mucous membranes and upper respiratory tract. Prolonged exposure can cause nausea, headache and vomiting. **Chronic Effects:** Target organ: kidneys. to best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

RTECS: MA8050000 Glycerol

Irritation Data:

Skin rabbit: 500 MG/24H MLD

Eye rabbit: 126 MG MLD

Eye rabbit: 500 MG/24H MLD

Toxicity Data:

Oral rat: LD50:12600 MG/KG

Inhalation rat:: LC50:>570 MG/M3/1H

IPR rat: LD50: 4420 MG/KG

SCU rat: LD50:100 MG/KG

IVN rat: LD50:5566 MG/KG

Oral mouse: LD50: 4090 MG/KG

IPR mouse: LD50: 8700 MG/KG

SCU mouse: LD50:91 MG/KG

IVN mouse: LD50: 4250 MG/KG

Oral rabbit: LD50: 27 GM/KG

Skin rabbit: LD50:>10 GM/KG

IVN rabbit: LD50:53 GM/KG

Oral guinea pig: LD50:7750 MG/KG

Target Organ Data

Behavioral (headache) Gastrointestinal (nausea and vomiting) paternal effects (spermatogenesis, testes, epididymis, sperm count) Effects of fertility (male fertility index) effects of fertility (post implantation mortality) only selected registry of toxic effects of chemical substances (RTECS) Data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14: Transport Information

No special considerations are known.

Section 15: Regulatory Information

European Information: irritant R36/38 Irritating to eyes and skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 Wear suitable protective clothing.

Reviews, standards and regulations:

OEL=MAK

ACGIH TLV-TWA 10 MG/M3, Inhalable particulate DTLVS* TLV/BEI, 1997 EPA FIFRA 1988 Pesticide

subject to registration or re-registration

MSHA standard: nuisance particulates (mist)

DTLWS* 3,20,1973

OSHA PEL (GEN INDU): 8H TWA 15 MG/M3, Total dust CFRGBR 29,1910.1000,1994

OSH PEL (GEN INDU): 8H TWA 5 MG/M3, Respirable fraction CFRGBR 29,1910.1000,1994 OSHA

PEL (construction) :8H TWA 15 MG/M3, total dust CFRGBR 29,1926.55, 1994

OSHA PEL (construction): 8H TWA 5 MG/M3 total dust CFRGBR 29, 1926.55,1994

OSH PEL (shipyard): 8H TWA 5 MG/M3, Respirable fraction CFRGBR 29,1915.1000,1993 OSH PEL

(shipyard): 8H TWA 15 MG/M3, total dust CFRGBR 29,1915.1000,1993 OEL-Australia: TWA 10 MG/M3 Jan 1993

OEL-Belgium: TWA 20 MG/M3 Jan 1993

OEL-Finland: TWA 10 MG/M3 Jan 1993

OEL-France: TWA 10 MG/M3 Jan 1993

OEL-The Netherlands: TWA 10 MG/M3 Jan 1993

OEL-United Kingdom: TWA 10 KG/M3 Jan 1993 OEL-

Bulgaria, Colombia, Jordan, Korea, check ACGIH TLV

OEL-New Zealand, Singapore, Vietnam check ACGIH TLV

NOHS 1974: HZD 35085; NIS 358, TNF 86657; NOW 198: TNE 1085329 NOES 1983: HZD 35085; NIS 310; TNF 67054; NOS 215; TNE 2135546; TFE 1346631 EPA TSCA Section 8 (B) Chemical Inventory

EPA TSCA Section 8 (D) Unpublished health/safety studies EPA TSCA Test submission (TSCATS)

Data base June 1998.

Section 16: Other Information

The above information is offered in good faith as accurate, but without guarantee, and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It doesn't represent any guarantee of the properties of the product. IMMAGINA BIOTECHNOLOGY srl shall not be held liable for any damage resulting from handling of from contact with the above product. All risks of use of the product should be assumed by the user.

Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
+390461312018, info@immaginabiotech.com

Chemical Name: Dodecyl Sulfate (SDS). SDS is provided as a component of a aqueous solution (10%) (#RL001-9).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	% Wt	Hazardous
Sodium Dodecyl Sulfate (SDS)	151-21-3	0.5 -10%	Yes

Chemical Formula: C₁₂H₂₅NaO₄S

Molecular Weight

Appearance: SDS is provided as a component of a solution.

Section 3: Hazards Identification

Emergency Overview

Warning. Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. May cause allergic skin or respiratory reaction. SDS is categorized as a flammable solid. The liquid solution provided is not flammable.



Health Rating 2 slight Flammability rating: 1 Reactivity Rating 0 Contact rating 3 – severe Protective equipment: eye protection, lab coat or apron, fume hood, gloves

Potential health effects: Causes irritation to respiratory tract. Symptoms may include coughing, shortness of breath. May cause allergic reaction in sensitive individuals.

Target organs: lungs

Ingestion: Large doses may cause gastrointestinal distress, nausea and diarrhea.

Skin contact: Mildly irritating to skin, causes dryness and a rash on continued exposure. May cause allergic skin reactions.

Eye contact: Causes irritation, redness and pain.

Chronic exposure: Chronic exposure may cause skin effects. **Pre-existing conditions:** Persons with pre-existing disorders or impaired respiratory function may be more susceptible to the effects of the substance.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin contact: Immediately flush skin with copious amounts of soap and water. Remove contaminated clothing and shoes. Get medical attention. Wash and clean clothing and shoes before reuse.

Eye contact: Immediately flush eyes with copious amounts of water for 15 minutes, lifting lower and upper eyelids occasionally. Get medical immediate medical attention.

Section 5: Fire Fighting Measures

Fire: Solid SDS is categorized as a flammable solid.

Explosion: Solid SDS is a fine dust and may be an ignition source.

Flash Point: The flash point of this solution has not been tested but should be greater than 100°C.

Extinguishing Media: water, alcohol foam, carbon dioxide, dry chemical

Special fighting Procedures: Wear full protective equipment, including an approved, self-contained breathing apparatus.

Unusual fire or explosion hazards: Emits toxic fumes when heated to decomposition. Can react with oxidizing agents.

Section 6: Accidental Release Measures

Spill/Release Information:

Wear appropriate protective clothing such as gloves. Dike material with a suitable inert absorbent.

Place in a suitable waste container. Avoid contact with skin and eyes.

Waste Disposal Method:

Depending on size of spill and degree of hazard it may be possible to dispose in drain with excess water. Scrub area of spill thoroughly with soap and water, rinse with plenty of water to drain.

Section 7: Handling and Storage

Precautions to be taken in handling and storing:

For protection of material, store away from oxidizing materials.

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits: Not established

Respiratory Protection: Use appropriate respiratory protection approved by NIOSH or appropriate organization.

Ventilation: Mechanical (general) or local exhaust as needed.

Protective gloves: Yes

Eye protection: Yes

Other protective clothing or Equipment: Wear a lab coat. Have access to safety shower and eye wash.

Work/Hygienic practices: Avoid contact with eyes skin and clothing. Wash thoroughly after handling.

Avoid prolonged or repeated exposure.

Section 9: Physical and Chemical Properties

Appearance: clear or white cloudy liquid

Odor: slight fatty odor.

Solid SDS is soluble in water at 10 g/100 g water.

Specific gravity of solid: 0.4 @15°C/4°C

Percent volatiles by volume @21°C 0

No information of boiling point, melting point, vapor density, vapor pressure and evaporation rate.

Section 10: Stability and Reactivity

Stability: stable under normal conditions

Conditions to avoid: Strong oxidants, heat flames, ignition sources

Incompatibility (materials to avoid): Can react with oxidizing agents and acids.

Hazardous decomposition products: Emits toxic fumes when heated to decomposition including carbon monoxide, carbon dioxide and sulfur oxides.

Hazardous polymerization: Will not occur under normal conditions

Routes of entry: Ingestion.

Most of the hazards (such as irritation of lungs) associated with SDS are related to its powder form.

Health hazards: May cause irritation of skin or eyes. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Section 11: Toxicological Information

Toxicity Data: Oral rat LD50: 1288 mg/kg; Inhalation rat LC50: > 3900 mg/kg; IPR-RAT LD50: 210 gm/kg, IVN-RAT LD50: 118 mg/kg; IPR-MUS LD50: 250 mg/kg; IVN-MUS LD50: 118 mg/kg

Irritation Data: skin human, Standard Draize, 25 mg/24-hour, mild; eye rabbit, standard Draize, 250 µg, mild. Investigated as a mutagen, reproductive effector.

Reproductive Toxicity: Has caused mutagenic and teratogenic effects on laboratory animals.

Threshold limit value (TLV): not available

Carcinogenicity: None known or anticipated **IARC Category:** None

Signs and symptoms of overexposure: Systemic symptoms: nausea, vomiting, chills, cramps and lethargy.

Section 12: Ecological Information

Environmental Fate: No information available.

Environmental toxicity: 96 hr LC50 fathead minnow (fry): 10.2 mg/L; (juvenile): 17 mg/L; (adult): 22.5 mg/L; 96 hour LC50 rainbow trout: 4.6 mg/L (Static)

Section 13: Disposal Considerations

Dispose of material and container in accordance with appropriate federal, state and local laws. Recover and recycle if possible. Processed material may require different disposal methods.

Section 14: Transport Information

Domestic (Land, D.O.T)

No special precautions required for this solution.

Section 15: Regulatory Information

Inventory Status: TSCA: Yes EC: Yes Japan: Yes Australia: Yes

Canada Korea: Yes DSL: Yes NDSL No Phil. Yes

SARA 302: RQ: No TPQ: No Sara 313: List: No Chemical Category:

No CERCLA No RCRA261.33 No TSCA8(d) No

Chemical weapons convention: No TSCA 12(b): No CDTA: No SARA 311/312: Acute Yes chronic: Yes Fire: Yes Pressure: No Reactivity: No

Australian Hazchem code: None allocated.

Poison schedule: None allocated.

WHMIS: This MSDS contains the information required by the Controlled Products Regulations.

Section 16: Other Information

Label hazard warning: WARNING! harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. May caused allergic skin or respiratory reaction. Flammable solid.

Label Precautions: Do not breathe dust. Avoid contact with skin and clothing. Wash thoroughly and handling. Use only in well ventilated area. Keep container closed. Keep away from heat, sparks and flame. Product Use: Laboratory reagent

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Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel: +390461312018, info@immaginabiotech.com

This MSDS contains information about 10% Triton X-100 and applies to *IMMAGINA BIOTECHNOLOGY* products supplied as aqueous solutions B-buffer (BB, #RL001-3), Lysis buffer (LB, #RL001-1) and W-buffer (WB, #RL001-4).

Chemical Name: 10% Triton X-100

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	%Wt
Triton X-100	9002-93-1	10%
Synonyms	Polyoxyethylene(10) glycol octylphenyl ether	
Water		90%

Section 3: Hazards Identification

Risk phrases: Harmful if swallowed or may cause serious damage to eyes. May be respiratory tract and skin irritant. May cause long term adverse effects in aquatic environment. Toxic to aquatic organisms.



Health: 2 Flammability: 0 Stability/Reactivity: 0

Section 4: First Aid Measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical assistance.

Ingestion: Obtain medical assistance if ingested. Medical supervision for at least 48 hours if ingested.

Skin contact: Immediately flush skin with plenty of water. Cover irritated skin with an emollient. Remove contaminated clothing and shoes. Wash skin with cold water. Wash and/or clean clothing and shoes before reuse. Obtain medical assistance.

Eye contact: Check for and remove contact lenses. Immediately flush eyes with plenty of water (may be cold) for at least 15-20 minutes. Obtain medical assistance.

Health Effects and Symptoms

Inhalation: May be an irritant. Provide with fresh air. Monitor for symptoms if exposed.

Skin contact: May be a skin irritant.

Eye contact: Eye irritant, rinse with running water.

Section 5: Fire Fighting Measures

Fire: May be combustible at high temperature; slight fire hazard when solid form is exposed to flame.

Extinguishing media: water spray, dry chemical, alcohol foam, or carbon dioxide. Do not use water jet.

Explosion: Not considered an explosion hazard.

Hazardous decomposition: Carbon monoxide, carbon dioxide

Special fire fighting procedures: Fire fighters should wear NIOSH or equivalent approved positive pressure self-contained breathing apparatus and full protective gear. NFPA Ratings: Health 2 Flammability: 0 Reactivity: 0

Section 6: Accidental Release Measures

Remove all ignition sources. Ventilate area of leak or spill. Wear appropriate personal protective equipment. Place in a suitable container for reclamation or disposal, using a method that does not generate dust. **Personal Protection:** Wear splash goggles or safety glasses. Wear lab coat or protective suit, dust respirator, boots, gloves. If large spill and material has dried use self-contained breathing apparatus and avoid inhalation.

Section 7: Handling and Storage

Handling: Avoid heat and sources of ignition. Thoroughly clean used containers before disposal. Do not ingest. Do not breathe dust. Wear suitable protective laboratory clothing/equipment. If ingested Obtain medical assistance. Avoid contact with skin, eyes and clothing. Avoid incompatibles such as oxidizing agents. **Storage:** No special requirements

Section 8: Exposure Controls/Personal Protection

Airborne exposure limits: None established
Respiratory protection: dust respirator.
Ventilation: use process enclosures, local exhaust ventilation, or engineering controls if material solidifies.
Personal Protective Equipment: Labcoat, gloves, safety glasses or goggles.
Hygiene: Wash hands before eating or drinking. Avoid contact with eyes.

Section 9: Physical and Chemical Properties

Clear to hazy liquid. Mild odor.
Flash point greater than 100°C.

Section 10: Stability and Reactivity

Stability: Stable
Incompatibility: unknown
Hazardous decomposition products: carbon oxides
Hazardous polymerization: Will not occur

Section 11: Toxicological Information

Chronic Effects: Repeated or prolonged exposure is not known to aggravate medical condition **Irritation Data:** Skin, lung and eye irritant. No data available.
Toxicity Data: Toxic for fish
Carcinogenic, mutagenic, reproductive and teratogenic effects: Unknown.
Draize test, rabbit, eye: 10 µl of 100%/24H moderate
Draize test, rabbit, skin: 500 µl of 100%/24H mild.
Oral, rat: LD50 for 100%: 1800 mg/kg; 1900 or 3800 mg/kg

Section 12: Ecological Information

Ecotoxicity: Not available; Fish toxicity: bluegill TL (96 hour) Dynamic bioassay: > 10 mg/l Static bioassay: 12 mg/l

Toxicity of biodegradation: The product and degradation products are not toxic.

Section 13: Disposal Considerations

Dispose material and container in accordance with appropriate federal, state and local laws and regulations. Recover and recycle if possible. Processed material may require different disposal methods.

Section 14: Transport Information

No special considerations are known. No UN number. Not controlled under ADR (land, road/railway, IMDG (sea) or IATA (air) or ADN. No transport class or packaging group.

Section 15: Regulatory Information

Not listed under SARA 302/304 RQ, TPQ 311/312 or 313 list or category. Listed in inventory of TSCA, EC, Japan and Australia

Listed on Canada's DSL. WHMIS classification of D2B.

Not listed under Clean Water Act (CWA) parts 307, 311

No present on state lists for CA, PA, MN, MA, NJ or FL

Not listed under Clean air act (CAA) part 112 (toxic, flammable or release prevention not found) Not listed as class 1 or class 2 ozone depletory.

Water hazard class: Class 1; slightly hazardous for water.

Section 16: Other Information

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Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
+390461312018, info@immaginabiotech.com

Chemical Name: Sodium Hydroxide

This MSDS contains information about Sodium Hydroxide and applies to *IMMAGINA BIOTECHNOLOGY* products OH-buffer (OH) (#RL001-14).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	Concentration
Sodium Hydroxide	1310-73-2	0.1-1M

Synonyms Caustic Soda; Soda Lye; White Caustic.

Section 3: Hazards Identification

Appearance: clear liquid. **Danger!** Causes eye and skin burns. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns. Corrosive to aluminum. Eye contact may result in permanent eye damage.

Target Organs: Eyes, skin, mucous membranes.

Potential Health Effects

Eye: Causes eye burns. May cause lacrimation (tearing), blurred vision, and photophobia. May cause chemical conjunctivitis and corneal damage.

Skin: Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause systemic effects.

Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. May cause systemic effects. **Chronic:** Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed.

Section 4: First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas.

Extinguishing Media: Use water spray to cool fire-exposed containers. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 3; Flammability: 0; Instability: 1

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe spray or mist.

Storage: Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids. Keep away from metals. Keep away from flammable liquids. Keep away from organic halogens.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium hydroxide	2 mg/m ³ Ceiling	10 mg/m ³ IDLH	2 mg/m ³ TWA

OSHA Vacated PELs: Water: No OSHA Vacated PELs are listed for this chemical. Sodium hydroxide: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: clear

Odor: none reported

pH: Alkaline

Vapor Pressure: 14 mm Hg

Vapor Density: >1.0

Evaporation Rate:Not available.

Viscosity: >1 (ether=1)

Boiling Point: 212 deg F

Freezing/Melting Point:32 deg F

Decomposition Temperature:Not available.

Solubility: Soluble.

Specific Gravity/Density:1.0

Molecular Formula:NaOH

Molecular Weight:Not available.

Section 10: Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Acids.

Incompatibilities with Other Materials: Metals, acids, aluminum, tin, zinc.

Hazardous Decomposition Products: Toxic fumes of sodium oxide.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

LD50/LC50:

Draize test, rabbit, eye: 400 ug Mild; Draize test, rabbit, eye: 1% Severe; Draize test, rabbit, eye: 50 ug/24H Severe; Draize test, rabbit, eye: 1 mg/24H Severe; Draize test, rabbit, skin: 500 mg/24H Severe;

Carcinogenicity:

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Neurotoxicity: No information found.

Mutagenicity: No information found.

Other Studies: See actual entry in RTECS for complete information.

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14: Transport Information

US DOT Information: Proper shipping name: Sodium Hydroxide, Solid Hazard Class: 8

Packaging group: II

UN Number: UN1823

IATA: Proper shipping name: Sodium Hydroxide, Solid Hazard Class: 8

Packing group: II

UN Number: UN1823

IMO: Proper shipping name: Sodium Hydroxide, Solid Class: 8

UN Number: UN1823

Packing group: II

Marine Pollutant: No

Canadian TDG: Proper shipping name: Sodium Hydroxide, Solid

Section 15: Regulatory Information

US FEDERAL

TSCA

CAS# 1310-73-2 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

CAS# 1310-73-2: 1000 lb final RQ; 454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 1310-73-2: acute, reactive.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

CAS# 1310-73-2 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 1310-73-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

C Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 1310-73-2: 1

Canada - DSL/NDSL

CAS# 1310-73-2 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of E.

Canadian Ingredient Disclosure List

CAS# 1310-73-2 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

CAS# 1310-73-2: OEL -AUSTRALIA:TWA 2 mg/m³ OEL-BELGIUM:STEL 2 mg/m³ OEL-DENMARK:TWA 2 mg/m³ OEL-FINLAND:TWA 2 mg/m³ OEL-FRANCE:TWA 2 mg /m³ OEL-GERMANY:TWA 2 mg/m³ OEL-JAPAN:STEL 2 mg/m³ OEL-THE NETHERLANDS:TWA 2 mg/m³ OEL-THE PHILIPPINES:TWA 2 mg/m³ OEL-SWEDEN:TWA 2 mg/ m³ OEL-SWITZERLAND:TWA 2 mg/m³;STEL 4 mg/m³ OEL -THAILAND:TWA 2 mg/m³ OEL -TURKEY:TWA 2 mg/m³ OEL-UNITED KINGDOM:TWA 2 mg/m³;STEL 2 mg/m³ OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16: Other Information

The above information is offered in good faith as accurate, but without guarantee, and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It doesn't represent any guarantee of the properties of the product. IMMAGINA BIOTECHNOLOGY srl shall not be held liable for any damage resulting from handling of from contact with the above product. All risks of use of the product should be assumed by the user.

Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
+390461312018, info@immaginabiotech.com

Chemical Name: Cycloheximide

This MSDS contains information about Cycloheximide and applies to *IMMAGINA BIOTECHNOLOGY* products supplied as aqueous solutions containing 20 µg/mL Cycloheximide as Lysis Buffer (LB) (#RL001-1) and W-Buffer (WB) (#RL001-4).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No
Cycloheximide	66-81-9

Section 3: Hazards Identification

Appearance: white to beige powder.

Danger! May be fatal if swallowed. May cause harm to the unborn child. Causes eye, skin, and respiratory tract irritation. Possible risks of irreversible effects. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Target Organs: Blood, central nervous system, liver, spleen, respiratory system, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May cause dermatitis. May be harmful if absorbed through the skin.

Ingestion: May be fatal if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system effects.

Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic: Repeated exposure may cause damage to the spleen. Chronic exposure may cause liver damage. Adverse reproductive effects have been reported in animals. Laboratory experiments have resulted in mutagenic effects. Chronic exposure may cause blood effects. Possible risk of irreversible effects. Possible risk of harm to the unborn child. In some animal studies, cycloheximide was toxic to the bone marrow, where blood cells are formed. The most common effect was anemia (a shortage of red blood cells). Whether the same effects occur in workers exposed to cycloheximide is uncertain.

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: POISON material. If swallowed, get medical aid immediately. Only induce vomiting if directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 4; Flammability: 1; Instability: 0

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7: Handling and Storage

Handling: Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

OSHA Vacated PELs: Cycloheximide: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9: Physical and Chemical Properties

Physical State: Powder

Appearance: white to beige

Odor: none reported

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 107 - 114 deg C

Decomposition Temperature: Not available.

Solubility: Soluble.

Specific Gravity/Density: Not available.

Molecular Formula: C₁₅H₂₃NO₄

Molecular Weight: 281.35

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases, acid chlorides, acid anhydrides.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

RTECS#:

CAS# 66-81-9: MA4375000

LD50/LC50:

CAS# 66-81-9:

Draize test, rabbit, skin: 1 pph/24H Moderate;

Oral, mouse: LD50 = 133 mg/kg;

Oral, rat: LD50 = 2 mg/kg;

Carcinogenicity:

CAS# 66-81-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

Teratogenicity: Teratogenic effects have occurred in experimental animals.

Reproductive Effects: Adverse reproductive effects have occurred in experimental animals.

Mutagenicity: See actual entry in RTECS for complete information.

Neurotoxicity: No information available.

Other Studies:

Section 12: Ecological Information

Ecotoxicity: No data available. No information available.

Environmental: No information available.

Physical: No information available.

Other: Do not empty into drains.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14: Transport Information

Shipping Name:	US DOT TOXIC SOLID, ORGANIC, N.O.S.	Canada TDG TOXIC SOLID, ORGANIC, N.O.S.
Hazard Class:	6.1	6.1
UN Number:	UN2811	UN2811
Packing Group:	I	I

Section 15: Regulatory Information

US FEDERAL

TSCA

CAS# 66-81-9 is not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

CAS# 66-81-9: 100 lb lower threshold TPQ; 10000 lb upper threshold TPQ

SARA Codes

CAS # 66-81-9: immediate, delayed.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 66-81-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California Prop 65

WARNING: This product contains Cycloheximide, a chemical known to the state of California to cause developmental reproductive toxicity.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T+ N

Risk Phrases:

R 28 Very toxic if swallowed.

R 61 May cause harm to the unborn child.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 68 Possible risk of irreversible effects.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 53 Avoid exposure - obtain special instructions before use.

S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 66-81-9: 3

Canada - DSL/NDSL

None of the chemicals in this product are listed on the DSL or NDSL list.

Canada - WHMIS

This product has a WHMIS classification of D1A, D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16: Other Information

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Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
+390461312018, info@immaginabiotech.com

Chemical Name: Smart Probe

This MSDS contains information about RiboLace Smart Probe and applies to *IMMAGINA BIOTECHNOLOGY* products RiboLace Smart Probe (RsP) (#RL001-5).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	Concentration
RiboLace Smart Probe		10 mM

Synonyms

Section 3: Hazards Identification

Classification of the substance or mixture

no data available

Section 4: First Aid Measures

Description of first aid measures

no data available

Section 5: Fire Fighting Measures

no data available

Section 6: Accidental Release Measures

no data available

Section 7: Handling and Storage

no data available

Section 8: Exposure Controls/Personal Protection

no data available

Section 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: Colorless

Odor: none reported

pH: Not available

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available

Freezing/Melting Point: Not available

Decomposition Temperature Not available

Specific Gravity/Density: Not available.

Molecular Formula: C₄₇H₇₁N₁₁O₁₄S

Molecular Weight: 1046.20

Section 10: Stability and Reactivity

no data available

Section 11: Toxicological Information

No information available

Section 12: Ecological Information

No information available.

Section 13: Disposal Considerations

No information available.

Section 14: Transport Information

No information available.

Section 15: Regulatory Information

No information available.

Section 16: Other Information

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Section 1: Company and Chemical Identification

IMMAGINA BIOTECHNOLOGY srl, Via alla Cascata 56/C, 38123 Trento, Italy, Tel:
+390461312018, info@immaginabiotech.com

Chemical Name: RiboLace Magnetic beads

This MSDS contains information about RiboLace magnetic beads and applies to *IMMAGINA BIOTECHNOLOGY* products RiboLace magnetic beads (#RL001-6).

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No
Agarose	9012-36-6
Maghemite	1332-37-2
Ethanol	64-17-5
Water	231-791-2

Synonyms

Section 3: Hazards Identification

Classification of the substance or mixture Product definition: mixture.

Primary Routes of Exposure

Dermal contact, Ingestion.

Potential Health Effects Ingestion Might be harmful if ingested.

Skin: Might be harmful if absorbed through skin. Might cause skin irritation.

Eyes: Might cause eye irritation. Prolonged exposure might cause eye damage.

Inhalation: Might be harmful if inhaled.

Chronic Exposures: Not determined

Target Organs: Not determined

Label elements

Hazard statements Flammable liquid and vapor.

Precautionary statements

Prevention: Wear security gloves: 1-4 hours (breakthrough time): butyl rubber, neoprene.

Wear protection for eye or face: Recommended: safety goggles with side-shields. Keep away from heat, sparks, open flames and hot surfaces. - Not smoking. Use explosion-proof electrical, ventilating, and lighting and all material handling equipment.

Response: IF ON HAIR (or skin): Immediately take off all contaminated clothing. Wash skin with shower or water. Keep cool.

Storage Disposal: Dispose of contents and container in accordance with all international, national, regional,

local regulations.

Other hazards: no data available

Section 4: First Aid Measures

Description of first aid measures

Skin contact: Clean the affected area with large amounts of water. Remove contaminated clothes if indispensable. Search medical assistance if irritation persists.

Eye contact: immediately wash your eyes with water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to wash for at least 11 minutes. Get medical attention if irritation occurs.

Oral exposure: Wash out mouth with fresh water. Remove dentures. Remove victim to fresh air and keep at rest in a comfortable position for breathing. If material had been swallowed and the exposed guy is conscious, give water to drink. Stop if the exposed person feels sick as vomiting, it may be dangerous. Don't induce vomiting unless directed to do so by medical personnel. If vomiting occurs, head should be kept low so that vomit doesn't enter the lungs. Get medical attention if adverse health effects persist.

Most important symptoms and effects, both acute and delayed

Potential acute health effects Inhalation No known significant effects or critical hazards

Ingestion No known significant effects or critical hazards

Skin contact No known significant effects or critical hazards

Eye contact No known significant effects or critical hazards

Over-exposure signs/symptoms

Skin contact No specific data

Ingestion No specific data

Inhalation No specific data

Eye contact No specific data

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if huge quantities had been ingested or inhaled.

Specific treatments No specific treatment.

Section 5: Fire Fighting Measures

Extinguishing media: Use foam (fog), dry chemical, CO₂ or water spray.

Special hazards arising from the substance or mixture:

Hazards from the substance or mixture: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container might burst, with the risk of a subsequent huge explosion. Runoff to sewer might create fire or explosion hazard.

Hazardous combustion products: Decomposition products might include materials like: Carbon dioxide Carbon monoxide Metal oxide/oxides

Advice for fire-fighters : Promptly isolate the scene by removing all persons from the nearness of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training. Move containers from fire area if those can be done without risk. Use water spray for keep fire-exposed containers cool.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Throughout wear protective clothing, approved safety glasses and gloves when handling this chemical substance.

Environmental precautions: Avoid dispersal of material spilt and runoff and contact with soil, drains, waterways and sewers. Inform the major authorities if the product have caused environmental pollution (waterways, sewers soil or air).

Methods and material for containment and cleaning up

Small spills of material might be gathered with a wet wipe or swept up with water into a suitable container for disposal.

Reference to other sections: no data available

Section 7: Handling and Storage

Precautions for safe handling

Always wear protective clothing, approved safety glasses and gloves when handling this chemical substance.

Conditions for safe storage, including any incompatibilities

Store between 4 to 30°C

Specific end use(s): no data available

Section 8: Exposure Controls/Personal Protection

Control parameters:

Ethanol: Exposure limit values: TWA: 1920 mg/m 8 hours. TWA: 1000 ppm 8 hours.

Exposure controls: Use only with an adequate ventilation

Section 9: Physical and Chemical Properties

a) Appearance: Liquid with precipitate, solution: uncolored, Suspension: orange **b) Odour:** no data available

c) Odour Threshold: no data available

d) pH: 7-9

e) Melting point/freezing point: no data available

f) Initial boiling point and boiling range: no data available

g) Flash point: no data available

h) Evaporation rate: no data available

i) Flammability (solid, gas): Not applicable.

j) Upper/lower flammability or explosive limits: no data available

k) Vapour pressure: no data available

l) Vapour density: no data available

m) Relative density: no data available

n) Water solubility: soluble

o) Partition coefficient (n-octanol/water): no data available

p) Auto-ignition temperature: not applicable

q) Decomposition temperature: no data available

r) Viscosity: no data available

s) Explosive properties: No fire or explosion hazard known

t) Oxidizing properties: no data available

Section 10: Stability and Reactivity

Reactivity: no data available

Chemical stability: no data available

Possibility of hazardous reactions: no data available

Conditions to avoid: no data available

Incompatible materials: no data available

Hazardous decomposition products: Dangerous decomposition products might be formed under fire conditions but no data available.

Section 11: Toxicological Information

No information available

Section 12: Ecological Information

No information available.

Section 13: Disposal Considerations

No information available.

Section 14: Transport Information

No information available.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Approved Code of Practice

Safety Data Sheets for Substances and Preparations.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments Regulation (EC) No 1272/2008 of the European

Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

Section 16: Other Information

The above information is offered in good faith as accurate, but without guarantee, and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It doesn't represent any guarantee of the properties of the product. IMMAGINA BIOTECHNOLOGY srl shall not be held liable for any damage resulting from handling of from contact with the above product. All risks of use of the product should be assumed by the user.