

Safety Data Sheet

Doc ID: SDS-0111	Effective Date: 8/21/2020	Revision: A
Trade name	Tissue Glue K096	

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

1.1 Product identifier

Trade name	Tissue Glue K096
Cat ##	K096
Components	Proclin 300™, Igepal®CA 630, Tris base, 4-aminoantipyrene.
EC	613-167-00-5, 613-167-00-5, 201-064-4, 201-452-3
CAS	55965-84-9, 9002-93-1, 77-86-1, 83-07-8

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

Liquid reagent in plastic bottle

1.3 Details of the supplier of the safety data sheet

Diagnostic BioSystems, Inc. 6616 Owens Drive Pleasanton, CA 94588 (925) 484-3350 Customersupport@dbiosys.com
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1.4 Emergency telephone number

N/A

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

COMPONENT (K096)			
Proclin 300™	N/A	N/A	R43 – May cause sensitization by skin contact
Igepal® CA 630	N/A	N/A	R22- Harmful if swallowed
Tris base	N/A	N/A	R36-irritating to eyes R37-irritating to respiratory system R38-irritating to skin
4-aminoantipyrene	N/A	N/A	H302-Acute toxicity, Ora

2.2 Label elements

Signal Word	Warning
Pictogram	

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H-Statements	N/A
P-Statements	N/A
EUH-Statements	N/A

2.3 Other hazards

N/A

SECTION 3: Composition/information on ingredients

Name	Identifiers	Classification according to CLP	Classification (for pure substances)
Proclin 300™	EC: 613-167-00-5 CAS: 55965-84-9	Concentration: <0.1%	R43
Igepal® CA 630	EC: N/A CAS: 9002-93-1	Concentration: <0.1%	R22
Tris Base	EC: 201-064-4 CAS: 77-86-1	Concentration: <1.5%	R43
4-aminoantipyrene	EC: 201-452-3 CAS: 83-07-8	Concentration: <0.1%	N/A

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled	Seek medical attention. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If simply overwhelmed, loosen tight clothing, lie victim down, monitor pulse and keep warm and calm.
If on skin	Wash exposed area with soap and water and get medical advice if irritation develops.
If in eyes	Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation persists, seek medical attention.
If swallowed	Methanol may be fatal or cause blindness. Seek immediate medical attention. Effects may be delayed. Ethanol may inhibit methanol metabolism.
Self-protection of the first aider	N/A

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Extinguish using suitable agents
Unsuitable extinguishing media	N/A

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	N/A
Other information	Avoid inhalation of toxic fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment	Ensure adequate ventilation Eye Protection: Wear goggles or safety glasses Hand protection: Wear latex or vinyl gloves Other protective equipment: Use lab coat or apron to prevent contact with eyes, skin and clothing
Emergency procedures	N/A
For emergency responders	N/A

6.2 Environmental precautions

Do not allow to enter sewage system

6.3 Methods and material for containment and cleaning up

For containment	N/A
For cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.
Other information	N/A

6.4 Reference to other sections

N/A

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire	N/A
Measures to prevent aerosol and dust generation	N/A

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Measures to protect the environment	N/A
Advice on general occupational hygiene	Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not ingest. Do not eat, drink when handling this product, and wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Store at 2°C to 8°C
Packaging materials	N/A
Requirements for storage rooms and vessels	Store in a cool, dry, well-ventilated area. Keep containers upright and closed. Protect containers from physical damage. Once liquid solvent has been completely dispensed, containers, which appear “empty,” should be handled in the same manner as when they were “full.”
Storage class	N/A
Other information	N/A

7.3 Specific end use(s)

Recommendations	N/A
Industrial sector specific solutions	N/A

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2 Exposure controls

Respiratory Protection	Use in well-ventilated laboratory
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Wash and dry hands.
Eye/face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

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Hygiene Measures	Wash hands thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Odor	N/A
Order Threshold	N/A
pH	N/A
Melting Point/ Freezing Point	N/A
Initial Boiling Point/ Freezing Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability or Explosive Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Solubility	N/A
Partition Coefficient: n-octanol/water	N/A
Auto-Ignition Temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Explosive Properties	N/A
Oxidizing Properties	N/A

9.2 Other Information

N/A

Section 10: Stability and Reactivity

10.1 Reactivity

N/A

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions

N/A

10.4 Conditions to Avoid

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Heat, open flame, oxidizers, alkali and alkaline earth metals

10.5 Incompatible Materials

Strong oxidizing agents such as sulfuric acid, nitrates and perchlorates. Can attach some plastics and rubber, May react with aluminum to form hydrogen gas.
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10.6 Hazardous Decomposition Products

N/A

SECTION 11: Toxicological Information

Proclin 300™ (in pure form): LD50 (oral-rat): 3600 mg/kg (100%)	
Common route of entry	Ingestion
Potential Effects of Acute Exposure	The product contains <0.1% of Proclin 300™ which corresponds to <0.0015% of its active ingredients. At this low final concentration, this biocidal preservative is irritating to eyes and skin and may be detrimental if enough is ingested (quantities above those found in the kit).
Potential Effects of Chronic Exposure	It is a skin sensitizer; prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals.
Symptoms of Overexposure	Allergic skin reaction
Igepal® CA 630 (in pure form): N/A	
Common route of entry	N/A
Potential Effects of Acute Exposure	N/A
Potential Effects of Chronic Exposure	N/A
Symptoms of Overexposure	N/A
Tris base (in pure form): LD50 (oral-rat): 5900mg/kg (100%)	
Common route of entry	Ingestion
Potential Effects of Acute Exposure	N/A
Potential Effects of Chronic Exposure	N/A
Symptoms of Overexposure	N/A
4-aminoantipyrene (in pure form): LD50 Oral - Rat - 1,700 mg/kg	
Common route of entry	N/A
Potential Effects of Acute Exposure	N/A

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Potential Effects of Chronic Exposure	N/A
Symptoms of Overexposure	N/A

SECTION 12: Ecological Information

12.1 Toxicity

N/A

12.2 Persistence and Degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in Soil

N/A

12.5 Results of PBT and vPvB Assessment

N/A

12.6 Other Adverse Effects

N/A

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

SECTION 14: Transport Information

14.1 Un Number

N/A

14.2 Un Proper Shipping Name

N/A

14.3 Transport Hazard Class (es)

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N/A

14.4 Packing Group

N/A

14.5 Environmental Hazards

N/A

14.6 Special Precautions for User

N/A

14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

SECTION 15: Regulatory Information

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

N/A

15.2 Chemical Safety Assessment

N/A

SECTION 16: Other Information

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information of their particular purposes.