MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

A. Product Name **Tissue Adhesive**
Recommended use of the chemical and restrictions on use **DG-100,200,300**
Manufacturer : Room 901-911, 9th floor, 93, Dongtan-daero 23-gil, Hwaseong-si, Gyeonggi-do, Republic of Korea

B. Phone number +82-10-8000-3227
Email:sales@dermaglue.co.kr

II. HAZARDS IDENTIFICATION

A. Hazard·Risk Classification N/A
B. Label elements, including precautionary statements

Symbol

Signal word: No signal word

Hazard·Risk statement

No phrases applicable to GHS classification

Precautionary statement

[Prevention]

No phrases applicable to GHS classification

[Response]

No phrases applicable to GHS classification

[Storage]

No phrases applicable to GHS classification

[Disposal]

No phrases applicable to GHS classificati

Composition Information

Chemical Name	CAS No.	weight(%)
n-Butyl cyanoacrylate	6606-65-1	70-80
Octyl 2-cyanoacrylate	6701-17-3	20-30
Cellulose	9004-34-6	0.1~0.2
D & C Violet No. 2 Powder	81-48-1	0.001

III. First- aid measures

A. Eye contact

Get emergency medical attention.

In case of contact with substance, wash skin and eyes immediately with running water for

more than 20 minutes.

B. Skin contact

In the case of hot materials, immerse or wash affected areas in a large amount of cold water to remove heat.

Get emergency medical attention.

Remove contaminated clothing and shoes and isolate contaminated areas.

In case of contact with substance, wash skin and eyes immediately with running water for more than 20 minutes.

Avoid dispersal of the contaminated material in the presence of minor skin contact.

If skin irritation or rash occurs, seek medical advice • seek advice.

Wash with plenty of soap and water.

C. Inhalation

If excessive dust or fumes are present, remove with clean air and seek medical attention if coughing or other symptoms occur.

If not breathing, give artificial respiration.

If breathing is difficult, give oxygen.

D. Ingestion

Get emergency medical attention.

E. Indication of immediate medical attention and notes for physician

Have medical personnel perceive and take protective action against the substance..

IV. Fire-fighting measures

A. Suitable Extinguishing Media

Use alcohol foam, carbon dioxide or water spray for digestion related to this material.

Use dry sand or earth for digestion.

B. Specific hazards arising from the chemical

Container may explode on heating.

C. Special protective equipment and precautions for fire-fighters

Rescuers should wear appropriate protective equipment.

Keep out of the reach of children and keep at a safe distance.

Be aware that it may be melted and transported.

Drill ditches for the disposal of digestive waters to prevent them from being scattered.

Move containers from fire area if it is not hazardous.

In case of fire, use fire extinguisher at maximum distance or use unmanned fire fighting equipment.

Cool the container with plenty of water after the fire has extinguished.

In the event of a tank fire, if there is a high tone in the pressure relief device or if the tank is

discolored, immediately withdraw it.

Tank escape from a flamed tank during a fire.

In the event of a large fire in a tank fire, use unmanned fire fighting equipment and allow it to retreat if it is impossible.

V. ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures

Wipe off any spills immediately and follow all protective precautions.

Remove all ignition sources.

Stop the leak if it is not dangerous.

Do not touch the container or leaks without wearing appropriate protective clothing.

Cover with plastic sheet to prevent spreading.

Note the substances and conditions to avoid.

Avoid breathing dust / fume / gas / mist / vapors / spray.

B. Environmental precautions and protective procedures

Prevent entry into waterways, sewers, basements and confined areas.

C. Methods and materials for containment and cleaning up

Absorb spillage with inert material (eg dry sand or earth) and place in a chemical waste container.

Absorb liquid and rinse contaminated area with detergent and water.

VI. Handling and Storage

A. Precautions for safe handling

Follow all MSDS / label precautions, as product residues may remain even after the container has

been emptied.

Handle / store carefully.

Carefully open the stopper before opening.

Avoid prolonged or repeated skin contact.

Note the substances and conditions to avoid.

Refer to engineering controls and personal protective equipment.

Avoid breathing dust / fume / gas / mist / vapors / spray.

Handle it outdoors or in a well-ventilated area.

Do not carry contaminated clothing out of the workplace.

B. Conditions for safe storage

Keep container tightly closed in a well-ventilated place.

The empty drum should be completely drained, properly blocked and immediately returned to the drum regulator or properly positioned.

For optimal storage, store in a refrigerated condition at 2 to 8℃.

VII. Exposure controls/personal protection

A. Chemical exposure standards, biological exposure equipment

No data

B. Appropriate engineering controls

If dust, fumes or mist are generated during operation, ventilate to keep air contamination below the exposure limit.

C. Personal protective equipment

Respiratory protection	Wear respiratory protection product approved by KOSHA according to physicochemical properties of exposed material.
Eye protection	Wear respiratory protection product approved by KOSHA according to physicochemical properties of exposed material.
Hands protection	Wear respiratory protection product approved by KOSHA according to physicochemical properties of exposed material.
Body protection	Wear respiratory protection product approved by KOSHA according **to physicochemical properties of exposed material**

VIII. Physical and chemical properties

Physical state (20℃)	Transparent
Odor	**Characteristic**
Odour threshold	**No data**
pH	**No data**
freezing point(℃)	**< 0 ℃ (Frost) Water**
Boiling point/Range(℃)	**96 - 100**
Flash point(℃)	**85**
Vapor Pressure	**<0.2mmHg at 25 °C**
Vapor Density	**No data**
Density	**No data**
Viscosity (cps,@25℃)	**5**
Solid contents %	**No data**
Explosive properties	**Not Relevant**
Oxidizing properties	**Not Relevant**

IX. Stability and reactivity

A. Chemical Stability and possibility of hazardous reactions

No data

B. Conditions to avoid

Heat source, spark, flame, etc.

C. Incompatible materials

Combustible materials, reducing materials, metals.

D. Hazardous decomposition products

Carbon oxide

A. Information on the likely routes of exposure

No data

B. Health hazard information

Acute toxicity

Oral	LD50 > 5,000 ㎎/㎏ Rat
Dermal	LD50 > 2,000 ㎎/㎏ Rabbit
Inhalation	No data
Skin corrosive/irritant	No data
Serious eye damage/eye irritation	No data
Respiratory sensitization	No data
Skin sensitization	No data

Carcinogenicity

IARC	No data
OSHA	No data
ACGIH	No data
NTP	No data
EU CLP	No data
Germ Cell Mutagenicity	No data
Reproductive toxicity	No data

Specific target organ toxicity

(single exposure)	No data
Specific target organ toxicity	
(repeated exposure)	No data
Aspiration hazard	No data
Other hazard effects	No data

X. Toxicological information

A. Information on the likely routes of exposure

No data

B. Health hazard information

Acute toxicity

Oral	LD50 > 5,000 ㎎/㎏ Rat
Dermal	LD50 > 2,000 ㎎/㎏ Rabbit
Inhalation	No data
Skin corrosive/irritant	No data
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Reproductive toxicity	No data

Specific target organ toxicity

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Specific target organ toxicity	
(repeated exposure)	No data
Aspiration hazard	No data
Other hazard effects	No data

XI. Ecological information

A. Aquatic and terrestrial ecotoxicity

Fish	No data
Shellfish	No data
Algae	No data

B. Persistence and degradability

Persistence	No data
Resolvability	No data

C. Bioaccumulative potential

Concentration	No data
Bio-resolvability	No data

D. Mobility in soil No data

E. Other adverse effects No data

XII. Disposal considerations

A. Disposal method

Dispose of contents and container in accordance with local regulations.

B. Disposal precaution

Dispose of contents container according to the regulations.

XIII. Transport information

A. UN number

No data

B. UN proper shipping name

N/A

C. Transport hazard class

N/A

D. Packing group

N/A

E. Marine pollution

N/A

F. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises

Emergency procedure at fire Refer to Section 5. Fire Fighting Measures

Emergency procedure at leakage Refer to Section 6. Accidental Release Measures

※ This product is NOT classified as dangerous for IATA Transport.

XIV. Regulatory information

A. Industrial safety and health Act

N/A

B. Chemicals control Act

N/A

C. Hazardous material Safety control Act

4th Class Flammable Liquids, Class 3 Petroleum

D. Wastes control Act

N/A

E. Regulations in other domestic and foreign

Domestic regulation

N/A

Foreign regulations

N/A

XV. Other information

A. Information source and references: Korea Occupational Safety and Health Agency

B. Issuing Date: May 25, 2024

C. Revision number and date: Rev.0, May 25, 2024

D. Others:

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