

Material Safety Data Sheet

Q-1 Glue

Only use for beauty

1. Chemical Product and Company Identification

Product Name : Q-1 Glue

2. Composition / Information on Ingredients

Ingredient	CAS NO.	%wt
Ethyl 2-Cyanoacrylate	7085-85-0	90%
Polymethyl Methacrylate	9011-14-7	5%
Poly Isocyanate	9016-87-9	2%
Pigment		2%
N-methyl pyrrolidone	872-50-4	0.9%
Hydroquinone	123-31-9	0.1%

3. Hazards Identification

GHS Classification (Based on NTTE)

Physical Hazards

Explosives	Classification not possible
Flammable gases	Not applicable
Flammable aerosols	Not applicable
Oxidizing gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Category 9
Flammable solids	Not applicable

Self-reactive substances and mixtures	Classification not possible
Pyrophoric liquids	Not classified
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases	Not applicable
Oxidizing liquids	Not applicable
Oxidizing solids	Not applicable
Organic peroxides	Not applicable
Corrosive to metals	Not classified

Human Health Hazards

Acute toxicity (Oral)	Not classified
Acute toxicity (Dermal)	Not classified
Acute toxicity (Inhalation: Gases)	Not applicable
Acute toxicity (Inhalation: Vapours)	Classification not possible
Acute toxicity (Inhalation: Dusts)	Not applicable
Acute toxicity (Inhalation: Mists)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity – Single exposure	Classification not possible
Specific target organ toxicity – Repeated exposure	Classification not possible
Aspiration hazard	Classification not possible

Environmental Hazards

Acute toxicity to the aquatic environment	Classification not possible
Chronic toxicity to the aquatic environment	Classification not possible

Label Elements

Pictogram and Symbol : Exclamation Mark Signal word : Warning

Hazard statement : Combustible liquid



Precaution :

[Prevention]

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Avoid breathing mist/vapours/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

[Response]

If on skin : Wash with plenty of soap and water.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use appropriate extinction.

[Storage]

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

[Disposal]

Dispose of contents/container in accordance with local/regional/ national/international regulations

4. First Aid Measures

Inhalation : Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

Eye Contact : Immediately flush eyes with running water for at least 15 minutes. If redness, itching or a burning sensation develops, see a physician.

Skin Contact : Remove contaminated clothing/shoes and wipe off excess from skin, Wash exposed area with soap and water. If redness, itching or a burning sensation develops, get medical attention.

Ingestion : Get medical attention immediately.

Note to Physicians : None for this material.

5. Fire-Fighting Measures

Acute hazards/symptoms in Fire: Combustible.

Prevention in Fire: No open flames.

First aid/Fire Fighting in Fire: In case of fire in the surroundings: use appropriate extinguishing media.

Acute hazards/symptoms in explosion: Above 95 °C explosive vapour/air mixtures may be formed.

Prevention in explosion: Above 95 °C use a closed system, ventilation, and explosion-proof electrical equipment.

First aid/Fire Fighting in Explosion: In case of fire: keep drums, etc., cool by spraying with water.

6. Accidental Release Measures

Small Spills : Dike and absorb with inert material such as sand and remove all liquid with the use of a vacuum system. If unable to remove liquid, then begin to absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal. Keep spills and cleaning runoff out of the municipal sewers and open bodies of water. Decontaminate all clothing and the spill area with a detergent and large amounts of water.

Large Spills : Use same procedure as small spill.

7. Handling and Storage

Handling Precautions : Avoid skin or eye contacts. Avoid prolonged or repeated breathing of vapors and mists. If spilled on clothing, launder before reuse. Do not take internally. Use only in a well ventilated area keep out of the reach of children.

Storage Requirements : Keep from freezing. Product will coagulate. Keep container tightly closed when not in use. Do not get in eyes, on skin or on clothing.

Monomer vapors can be evolved with material is heated. Containers, even those that have been emptied, will retain product residue vapors and are subject to proper waste disposal, as above.

8. Exposure Controls/Personal Protection

Protective Clothing/Equipment : The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation. Use Chemical Goggles if splashing may occur.

9. Physical and Chemical Properties

Appearance (physical state, color, etc) : Black liquid

Odor : Non smell

Odor threshold : No data

pH : 4 ~ 6

Melting point/Freezing point : <-20 °C

Initial boiling point and boiling range : above 100 °C

Flash point : 95 °C (open cup)

Evaporation rate : No data

Flammability (solid, gas) : liquid

Upper/lower flammability or explosive limits : No data

Vapor pressure : <1 Pa (25 °C)

Relative density : 0.9 ~ 1.1 (water=1)

Solubility(ies) : not soluble in water. slightly soluble in alcohol, acetone, MEK, toluene, DMF, nitromethane.

Autoignition temperature : 330 °C

Decomposition temperature : No data

10. Stability and Reactivity

Condition to avoid: High humidity, high temperature or direct sunlight.

Stability: Stable (cool and dry area.).

Materials to avoid: Polymerized by contact with water, alcohols, amines, alkalis.

Hazardous decomposition or by products: CO₂, oxides and nitrogen and unknown hydrocarbons.

11. Toxicological Information

Acute toxicity (Oral)

Ethyl cyanoacrylate: Since the death of one in six rat is reported in oral 5000 mg/kg

(CICAD, 2001), LD₅₀> 5000 mg/kg is presumed. Signs of other toxicity are not acknowledged.

Therefore, it was set as outside of Category. Upper data is reference value.

(a similar material =ethyl cyanoacrylate)

Acute toxicity (Dermal)

Ethyl cyanoacrylate: Death is not reported at rabbit 2000 mg/kg bw (CICAD, 2001).

Therefore, it was considered as the outside of Category.

Upper data is reference value(a similar material =ethyl cyanoacrylate)

Acute toxicity (Inhalation: Gases)

Liquid (GHS definition)

Acute toxicity (Inhalation: Vapours)

No data available

Acute toxicity (Inhalation: Dusts / Mist)

No data available

Skin corrosion / irritation

No data available

Serious eye damage / eye irritation

Ethoxyethyl 2-cyanoacrylate: No data available

Respiratory sensitization / Skin sensitization

Ethoxyethyl 2-cyanoacrylate: No data available

Germ cell mutagenicity Ethoxyethyl 2-cyanoacrylate: No data available

Carcinogenicity

Ethoxyethyl 2-cyanoacrylate: No data available

Reproductive toxicity

Ethoxyethyl 2-cyanoacrylate: No data available

Specific target organ toxicity –Single exposure

Ethoxyethyl 2-cyanoacrylate: No data available

Specific target organ toxicity – Repeated exposure

Ethoxyethyl 2-cyanoacrylate: No data available

Aspiration hazard

No data available

12. Ecological Information

Acute toxicity to the aquatic environment

No data available.

Chronic toxicity to the aquatic environment

No data available.

13. Disposal Information

Description of waste residues and information on their safe handling and methods of disposal

If you would like to dispose of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations. If you would like to ask the agents dispose of this chemical, you should provide sufficient information on dangerousness and hazard of this chemical.

The disposal of any contaminated packaging

Container should be recycled after cleaning or if you would like to dispose of container of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations.

If you would like to ask the agents dispose of this container, you should provide sufficient information on dangerousness and hazard of this chemical in this container and information on ingredient and notice of container.

14. Transport Information

U.S.Department of Transportation Ground Transport (49 CFR 172)

Proper shipping name: Unrestricted (Not more than 450 liters.)

Combustible liquids n.o.s. (Cyanoacrylate ester) (More than 450 liters)

Hazard class or division: Unrestricted (Not more than 450 liters.)

Combustible liquids. (More than 450 liters)

Identification number: None (Not more than 450 liters.)

NA1993 (More than 450 liters)

Marine pollutant: None.

International Air Transportation (ICA/IATA)

Proper shipping name: Unrestricted

Class or division: Unrestricted

UN or ID number: None

Water Transportation (IMO/IMDG)

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Marine pollutant: None

15. Regulatory Information

CA Proportion 65: No California proposition 65 chemicals are known to be present.

16. Other Information

To the best of knowledge, the information contained herein is accurate. However, neither our company nor any subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown.