

Material Safety Data Sheet



Product and company identification

Product Name : TA

Synonyms : None

General Use : Adhesives

Product Description : Powerful instant glue on cyanoacrylate

Company Name : REBOND

Ingredients	Wt%	CAS Registry No	Chemical Formula
2-Ethyl 2-cyanoacrylate	100%	21982-43-4	$\text{CH}_2=\text{C}(\text{CN})-\text{COOCH}_2\text{CH}_2\text{OC}$ H ₂ CH ₃

Composition/Information on ingredients

Hazards identification

GHS Classification (Based on NITE)

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 4

Flammable solids : Not applicable

Self-reactive substances and mixtures Pyrophoric liquids : Classification not possible

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 classified

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

4. FIRST AID MEASURES

4-1. INGESTION : Ingestion is not likely. See supplemental page for emergency procedures.

4-2. INHALATION : Evacuate from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If the breath has stopped, have artificial respiration.

If breathing difficulty occurs, have oxygen inhalation.

4-3. Skin contact : Remove contaminated clothing. Wash contact areas with soap and much water.

4-4. Eye contact : Flush thoroughly with fresh water for at least 15 min. Get medical assistance immediately.

5. FIRE FIGHTING MEASURES

5-1. FLASH POINT : Above 95°C Method:Cleveland open cup.

5-2. EXTINGUISHING AGENTS : Carbon dioxide, form ,dry chemical

5-3. SPECIAL FIRE FIGHTING PROCEDURES : Not available

*Hazardous products formed by fire or thermal decomposition. Irritating orgaic fragments.

5-4. Unusual fire or explosion hazards : Not available

5-5. Explosive Limits : (%by volume in air) Lower Not available / Upper Not available

6. ACCIDENTAL RELEASE MEASURES

6-1. Shut off all sources of ignition : No fires,smoking or flames in area.

*Ventilate area after material pick up is completed.

6-2. For small spills : Absorb spill with inert material (dry cloth, dry sand), then place in a chemical waste containers using non-sparking tools. Flush residual spill (area) with plenty of water.

6-3. For large spills : Dike for later disposal. Wash with plenty of water.

7. HANDLING AND STORAGE

7-1. Handling : Keep away from sources of ignition and heat. No smoking or flames in working area.

Take precautionary measures against static discharges.

Avoid contact with skin and eyes.

Wear proper protective equipment.

Use only in well ventilated areas.

Use exhaust ventilation to keep air concentration below exposure limit.

Keep container tightly closed when not in use.

Install emergency showers and eye wash facility in working area.

7-2. Storage : Keep away from all possible source of ignition.

Store in a cool, dry, well ventilated location.

Keep container tightly closed.

Keep away from combustible materials, heat, steam pipe or sunlight.

Keep away from oxidizing materials.

7-3. Other Precautions : Wash hands, face and gargle after work.

Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the rest room.

Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8-1 . Respiratory protection (Specify type) :

Chemical cartridge respirator with organic vapor.

Local exhausts *Special

Should be used control vapors in work area.

Mechanical (General) *Other

Should use a breathing mask.

8-2. Protective gloves : Polyethylene gloves. No rubber.

8-3. Eye protection : Safety glasses, face shield.

8-4. Skin protection : Other protective clothing or equipment impervious clothing, apron and boots.

Barrier creams, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

9-1. Appearance : Black liquid

9-2. Odor : Odorless, irritating

9-3. Boiling point : Above 190°C

9-4. Melting point : N/A

9-5. Specific gravity (H₂O=1) : 0.9~1.1

9-6. Vapor pressure (at 25°C) : 1Pa

9-7. Vapor density (Air=1) : 4.9

9-8. Evaporation rate (Butyl acetate=1) : N/A

9-9. Solubility in water : Insoluble(polymerized by water)

10. STABILITY AND REACTIVITY

10-1. Condition to avoid : High humidity, high temperature or direct sunlight.

10-2. Stability : Stable (cool and dry area.).

10-3. Materials to avoid : Polymerized by contact with water, alcohols, amines, alkalies.

10-4. Hazardous decomposition or by products : CO₂, oxides and nitrogen and unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

11-1. Toxicity : Skin contact may cause burns. Bond skin rapidly and strongly.

Skin and eye may be irritant.

11-2. Oral LD₅₀ : 6760mg /kg in rat. (Acute) (Pro forma amount)allied substance

11-3. Routes of entry : Inhalation (Yes), Skin (Yes), Ingestion (Yes)

11-4. Carcinogen etc : See Section 3

12. ECOLOGICAL INFORMATION

None known

13. DISPOSAL INFORMATION

13-1. Waste disposal method : Don't pour drain. Follow domestic and local environmental regulations.

Precautions to be taken in handling and storing.

Avoid unnecessary exposure to air and moisture.

Don't store above 25°C and in direct sunlight, Keep container lids tightly closed.

13-2. Other Precautions : Avoid contact with skin and eyes.

Protect eyes, skin and clothing from contact with liquid product.

Wear recommended equipment.

14. TRANSPORT INFORMATION

DOT (49 CFR 172) *Domestic ground transport

14-1. Proper shipping name : Unrestricted (Not more than 450 liters.)

Combustible liquids n.o.s.(Cyanoacrylate ester)

(More than 450 liters)

14-2. Hazard class or division : Unrestricted (Not more than 450 liters.)

Combustible liquids. (More than 450 liters)

14-3. Identification number : None (Not more than 450 liters.)

NA1993 (More than 450 liters)

14-4. Marine pollutant : None.

IATA

14-5. Proper shipping name : Unrestricted.

14-5. Class or division : Unrestricted

14-6. UN or ID number : None.

15. REGULATORY INFORMATION

15-1. CA Proportion 65 : No California proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

16-1. Estimated NFPA Code : *NFPA is a registered trademark of the National Fire Protection Assn.

16-2. Health Hazard : 2

16-3. Fire Hazard : 2

16-4. Reactivity Hazard : 1

16-5. Specific Hazard : Does not apply

16-6. Estimated HMIS Code : *HMIS is a registered trademark of the National Paint and Coatings Assn.

16-7. Health Hazard : 2

16-8. Flammability Hazard : 2

NOTE

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