

Dynatex Super Glue

Safety Data Sheet



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Version: 2

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

1.1. Product identifier

Product form : Mixture
Trade name : Dynatex Super Glue
Reference number : 143415, 143432

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use
Use of the substance/mixture : Adhesive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701
(270) 769-3385
technical@soudalaccumetric.com -
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification

FLAMMABLE LIQUID
SERIOUS EYE DAMAGE/EYE IRRITANT
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

Category 4
Category 2B
Category 3 (Respiratory systems)

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP) :



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| | |
|--------------------------------|---|
| Signal word (CLP) | : WARNING |
| Hazard statements (CLP) | : Bonds skin in seconds. Combustible liquid Causes eye irritation. May cause respiratory irritation. |
| Precautionary statements (CLP) | : If medical advice is needed, have product container or label at hand. Keep away from heat, sparks, open flames, heat sources. No smoking. Keep out of reach of children Read label before use Avoid breathing dust/fume/gas/vapors/spray. Wear protective gloves. Wear eye protection/face protection. Wash thoroughly after handling. Do not eat, drink, smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label) If SWALLOWED: Call a poison center/doctor if you feel unwell. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. If on skin: Wash with plenty of water. Storage Store in a well-ventilated place. IN CASE OF FIRE: Use foam, dry chemical, or carbon dioxide to extinguish. Keep container tightly closed. |
| Disposal | Dispose of contents and container in a accordance with all local, regional, national, and international regulations. |
| Extra phrases | : |

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|-----------------------|--------------------|--------------|
| Ethyl-2-cyanoacrylate | CAS-No: 7085-85-0 | >70 - < 100% |

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Treat according to person's condition and specifics of exposure. |
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult doctor in case of complaints. Seek medical treatment. |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Get medical attention. Wash clothing before reuse. |
| First-aid measures after eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention. |

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First-aid measures after ingestion

Call a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|--|
| General advice | : Avoid breathing gas/fumes/vapor/spray. |
| Symptoms/effects after skin contact | : IF ON SKIN: Immediately wash affected parts of the body with soap and water. Rinse thoroughly. Seek medical treatment and present this data sheet. |
| Symptoms/effects after eye contact | : IF IN EYES: If eye is bonded closed, release eye lashes with warm water by covering a wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually 1 – 3 days. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage. |
| Symptoms/effects after inhalation | : IF INHALED: Move to fresh air. Consult doctor if complaint persists. |
| Symptoms/effects after ingestion: | : Ensure that breathing apparatus are not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth. |

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physicians: Treat symptomatically. Contact poison control treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : High Volume Water Spray Jet

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Nitrogen oxides (NO_x), Carbon monoxide, Carbon dioxide

Unusual Fire and Explosion Hazards : No specific fire or explosion hazard.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Firefighters should wear positive pressure self-contained breathing apparatus (SCBA). Firefighting operations, rescue and cleaning work under effect of combustion and smolder gases may be done with breathing apparatus. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Use personal protective clothing.

6.1.2. For emergency responders

Protective equipment Ensure adequate ventilation. Avoid contact with eyes or skin.

6.2. Environmental precautions

If leakage occurs, dam up. Resolve leaks, if possible, without risk. Prevent surface and ground water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment : Do not use cloth for clean-up. Flood with water to complete polymerization and scrape up the polymer. Solid material can be disposed of as non-hazardous waste.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Hygiene

- : Keep away from heat and direct sunlight. Ensure good ventilation at the workplace.
- : Eating drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, or smoking. See also section 8 for additional information on hygiene measures.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials. Store away from oxidizing agents.

Incompatible Products: Keep away from amines.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethyl-2-cyanoacrylate (7085-85-0)

ACGIH TWA

0.2 ppm

8.1.2. Recommended monitoring procedures

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.1.3. Air contaminants formed

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure .

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Protective goggles

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing

Hand protection:

Protective gloves against chemicals

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : liquid |
| Color | : colorless to straw color |
| Odor | : sharp, irritating |
| Odor threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : > 200°C |
| Flammability | : Not applicable |
| Explosive limits | : Not applicable |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : 80 – 93.4°C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not applicable |
| Viscosity, kinematic | : 80 – 150 cPs |
| Solubility | : Polymerizes in the presence of water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapor pressure | : Less than 0.2 mm Hg |
| Vapor pressure at 50 °C | : Approximately 3 |
| Density | : Not available |
| Relative density | : 1.1 |
| Relative vapor density at 20 °C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

9.2.2. Other safety characteristics

VOC content < 2%; 20 g/L (California SCAQMD Method 361B) :

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis, and alcohols.

10.4. Conditions to avoid

Contact with incompatible materials and exposure to extreme temperatures.

10.5. Incompatible materials

Water, amines, alkalis, oxidizing agents, and alcohols

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1. Information on hazard classes

Relevant routes of exposure : Skin, inhalation, eyes

INHALATION: Exposure to vapors above the established exposure limits result in respiratory irritation, which may lead to difficulty breathing and tightness in chest.

SKIN CONTACT: May cause allergic skin irritation. Bonds skin in seconds. Cyanoacrylates have been reported to cause allergic reactions due to rapid polymerization at the skin surface, an allergic reaction is rare. Cyanoacrylates generate heat on solidification. In rare circumstances, a large drop will burn the skin. Cured adhesive does not present a health hazard if bonded to the skin.

EYE CONTACT: Irritation to eyes. Causes excessive tearing. Eyelids may bond.

INGESTION: Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

Carcinogenicity : Not available

Teratogenicity : Not available

Mutagenicity : Not available

Reproductive Toxicity : Not available

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Biological and chemical oxygen demands (BOD and COD) are insignificant. Do not empty into drains/surface water/ground water. Do not allow uncontrolled leakage of product into the environment.

12.2. Persistence and Degradability

There is no data available.

12.3. Bioaccumulative Potential

There is no data available.

12.4. Mobility in Soil

Cured adhesives are immobile.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Appropriate methods of waste treatment of substance

Cured adhesive: Disposal of as water insoluble non-toxic solid chemical in authorized landfill or incinerate under controlled conditions.

Appropriate methods of waste treatment of packaging

After use, tubes and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal landfill site or incinerated. Disposal must be made according to official regulations.

Sewage disposal

Dispose of according to local, state, national, or international regulations.

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SECTION 14: Transport information

| | | |
|--------------------|---------------------------|---|
| DOT (49CFR) | Proper Shipping Name | Combustible liquid n.o.s. (Cyanoacrylate ester) |
| | Hazard class or division: | Combustible liquid |
| | Identification number: | NA 1993 |
| | Package Group | III |
| IATA (ICAO) | Proper Shipping Name | Aviation Regulated Liquid, N.O.S. (Cyanoacrylate Ester) |
| | Hazard class or division: | 9 |
| | Identification number: | UN 3334 |
| | Package Group | III |
| IMGD (IMO) | Proper Shipping Name | Not regulated |
| | Hazard class or division: | None |
| | Identification number: | None |
| | Package Group | None |

SECTION 15: Regulatory information

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

15.1.1. US Federal Regulations

TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

SARA 302/304: no products were found

SARA 304 RQ: not applicable

SARA 311/312:

Classification Immediate Health
Fire
Reactive

SARA 313

Form R – Reporting requirements None above the reporting de minimis

15.1.1. US State Regulations

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. For more information, go to www.P65Warnings.ca.gov

SECTION 16: Other information

Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.