



## Safety Data Sheet

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**Document group:** 27-9814-8  
**Revision date:** 15/04/2025

**Version number:** 1.01  
**Supersedes date:** 06/03/2019

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

#### 1.1. Product identifier

Scotch® Super Glue Gel, AD112, AD113, AD132, AD119

#### Product Identification Numbers

70-0050-5564-8

7000047661

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

##### Identified uses

Glue

#### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.  
**Telephone:** +353 1 280 3555  
**E Mail:** ner-productstewardship@mmm.com  
**Website:** www.3M.com

#### 1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

##### CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315  
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H335

For full text of H phrases, see Section 16.

## 2.2. Label elements

CLP REGULATION (EC) No 1272/2008

### SIGNAL WORD

WARNING.

### Symbols

GHS07 (Exclamation mark) |

### Pictograms



### Ingredients:

| Ingredient            | CAS Nbr   | EC No.    | % by Wt  |
|-----------------------|-----------|-----------|----------|
| ethyl 2-cyanoacrylate | 7085-85-0 | 230-391-5 | 60 - 100 |

### HAZARD STATEMENTS:

|      |                                   |
|------|-----------------------------------|
| H315 | Causes skin irritation.           |
| H319 | Causes serious eye irritation.    |
| H335 | May cause respiratory irritation. |

### PRECAUTIONARY STATEMENTS

#### General:

|      |                                |
|------|--------------------------------|
| P102 | Keep out of reach of children. |
|------|--------------------------------|

#### Disposal:

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |
|------|--|

For containers not exceeding 125 ml the following Hazard and Precautionary statements may be used:

#### <=125 ml Hazard statements

|      |                                   |
|------|-----------------------------------|
| H335 | May cause respiratory irritation. |
|------|-----------------------------------|

#### <=125 ml Precautionary statements

#### General:

|      |                                |
|------|--------------------------------|
| P102 | Keep out of reach of children. |
|------|--------------------------------|

#### Disposal:

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |
|------|--|

### SUPPLEMENTAL INFORMATION:

#### Supplemental Hazard Statements:

|        |   |
|--------|---|
| EUH202 | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. |
|--------|---|

EUH208

Contains 1,4-dihydroxybenzene. May produce an allergic reaction.

#### Supplemental Precautionary Statements:

Avoid eye and skin contact. If eyelids are bonded, do not force open. In case of skin bonding, quickly soak in warm water and avoid excessive force to free bonded area.

Contains 9% of components with unknown hazards to the aquatic environment.

#### 2.3. Other hazards

May bond tissue rapidly. Contact through clothing may cause thermal burns.

This material does not contain any substances that are assessed to be a PBT or vPvB

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Ingredient                | Identifier(s)                             | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---------------------------|---|----------|--|
| ethyl 2-cyanoacrylate     | (CAS-No.) 7085-85-0<br>(EC-No.) 230-391-5 | 60 - 100 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335   |
| Poly(methyl methacrylate) | (CAS-No.) 9011-14-7                       | 10 - 30  | Substance not classified as hazardous  |
| Non-Hazardous Ingredients | Trade Secret                              | 5 - 10   | Substance not classified as hazardous  |
| 1,4-dihydroxybenzene      | (CAS-No.) 123-31-9<br>(EC-No.) 204-617-8  | <= 0.1   | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>Muta. 2, H341<br>Carc. 2, H351<br>Aquatic Acute 1, H400,M=10<br>Aquatic Chronic 1, H410,M=1 |

Please see section 16 for the full text of any H statements referred to in this section

#### Specific Concentration Limits

| Ingredient            | Identifier(s)                             | Specific Concentration Limits |
|-----------------------|---|-------------------------------|
| ethyl 2-cyanoacrylate | (CAS-No.) 7085-85-0<br>(EC-No.) 230-391-5 | (C >= 10%) STOT SE 3, H335    |

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

#### **Skin contact**

For skin bonds: Quickly soak in warm water and avoid use of excessive force to free bonded area. If unable to free bonded area, or if lips or mouth are bonded, get medical attention. If irritation persists, get medical attention.

#### **Eye contact**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. DO NOT force eyelids open.

#### **If swallowed**

Rinse mouth. If you feel unwell, get medical attention.

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

The most important symptoms and effects based on the CLP classification include:

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain).

Irritation to the skin (localized redness, swelling, itching, and dryness). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision).

#### **4.3. Indication of any immediate medical attention and special treatment required**

Not applicable

## **SECTION 5: Fire-fighting measures**

#### **5.1. Extinguishing media**

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### **5.2. Special hazards arising from the substance or mixture**

Closed containers exposed to heat from fire may build pressure and explode.

#### **Hazardous Decomposition or By-Products**

| <u>Substance</u> | <u>Condition</u>   |
|------------------|--------------------|
| Carbon monoxide  | During combustion. |
| Carbon dioxide.  | During combustion. |

#### **5.3. Advice for fire-fighters**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode.

## 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

## 6.3. Methods and material for containment and cleaning up

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

## 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

## 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from acids. Store away from oxidising agents. Store away from amines.

## 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient            | CAS Nbr   | Agency       | Limit type                                  | Additional comments |
|-----------------------|-----------|--------------|---|---------------------|
| 1,4-dihydroxybenzene  | 123-31-9  | Ireland OELs | TWA(8 hours):0.5 mg/m <sup>3</sup>          |                     |
| ethyl 2-cyanoacrylate | 7085-85-0 | Ireland OELs | TWA(8 hours):0.2 ppm;STEL(15 minutes):1 ppm |                     |

Ireland OELs : Ireland. OELs  
TWA: Time-Weighted-Average  
STEL: Short Term Exposure Limit  
CEIL: Ceiling

### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:  
Indirect vented goggles.

#### Applicable Norms/Standards

Use eye protection conforming to EN 166

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Do not wear cotton gloves. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended:

| Material         | Thickness (mm)    | Breakthrough Time |
|------------------|-------------------|-------------------|
| Polymer laminate | No data available | No data available |

#### Applicable Norms/Standards

Use gloves tested to EN 374

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

#### Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                              |                              |
|------------------------------|------------------------------|
| Physical state               | Liquid.                      |
| Specific Physical Form:      | Gel                          |
| Colour                       | Straw, Transparent White     |
| Odor                         | Sharp Irritating             |
| Odour threshold              | No data available.           |
| Melting point/freezing point | Not applicable.              |
| Boiling point/boiling range  | $\geq 148.9^{\circ}\text{C}$ |
| Flammability                 | Not applicable.              |

|   |  |
|---|--|
| <b>Flammable Limits(LEL)</b>                  | <i>No data available.</i>                          |
| <b>Flammable Limits(UEL)</b>                  | <i>No data available.</i>                          |
| <b>Flash point</b>                            | 80 - 93.3 °C [ <i>Test Method: Closed Cup</i> ]    |
| <b>Autoignition temperature</b>               | <i>No data available.</i>                          |
| <b>Decomposition temperature</b>              | <i>No data available.</i>                          |
| <b>pH</b>                                     | <i>substance/mixture is non-soluble (in water)</i> |
| <b>Kinematic Viscosity</b>                    | 100 mm <sup>2</sup> /sec                           |
| <b>Water solubility</b>                       | Negligible   |
| <b>Solubility- non-water</b>                  | <i>No data available.</i>                          |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i>                          |
| <b>Vapour pressure</b>                        | approximately 133.3 Pa [ <i>@ 20 °C</i> ]          |
| <b>Density</b>                                | 1.05 g/ml  |
| <b>Relative density</b>                       | 1.05 [ <i>Ref Std: WATER=1</i> ]                   |
| <b>Relative Vapour Density</b>                | 3 [ <i>Ref Std: AIR=1</i> ]                        |
| <b>Particle Characteristics</b>               | <i>Not applicable.</i>                             |

## 9.2. Other information

### 9.2.2 Other safety characteristics

EU Volatile Organic Compounds

*No data available.*

Evaporation rate

Negligible [*Ref Std: BUOAC=1*]

Molecular weight

*No data available.*

Percent volatile

90 - 95 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Sparks and/or flames.

### 10.5 Incompatible materials

Water

Alcohols.

Amines.

Alkali and alkaline earth metals.

### 10.6 Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

##### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

##### Skin contact

Bonds skin rapidly. Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Contact through clothing may cause thermal burns.

##### Eye contact

Bonds eyelids rapidly. Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

##### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

##### Acute Toxicity

| Name                      | Route                          | Species | Value  |
|---------------------------|--------------------------------|---------|--|
| Overall product           | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| ethyl 2-cyanoacrylate     | Dermal                         | Rabbit  | LD50 > 2,000 mg/kg                             |
| ethyl 2-cyanoacrylate     | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Poly(methyl methacrylate) | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Poly(methyl methacrylate) | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Non-Hazardous Ingredients | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Non-Hazardous Ingredients | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Non-Hazardous Ingredients | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                             |
| 1,4-dihydroxybenzene      | Dermal                         | Rat     | LD50 > 4,800 mg/kg                             |
| 1,4-dihydroxybenzene      | Ingestion                      | Rat     | LD50 302 mg/kg                                 |

ATE = acute toxicity estimate

##### Skin Corrosion/Irritation

| Name                      | Species          | Value                     |
|---------------------------|------------------|---------------------------|
| ethyl 2-cyanoacrylate     | Rabbit           | Mild irritant             |
| Poly(methyl methacrylate) | Rabbit           | No significant irritation |
| Non-Hazardous Ingredients | Rabbit           | No significant irritation |
| 1,4-dihydroxybenzene      | Human and animal | Minimal irritation        |



### Serious Eye Damage/Irritation

| Name                      | Species | Value                     |
|---------------------------|---------|---------------------------|
| ethyl 2-cyanoacrylate     | Rabbit  | Severe irritant           |
| Poly(methyl methacrylate) | Rabbit  | Mild irritant             |
| Non-Hazardous Ingredients | Rabbit  | No significant irritation |
| 1,4-dihydroxybenzene      | Human   | Corrosive                 |

### Skin Sensitisation

| Name                      | Species          | Value          |
|---------------------------|------------------|----------------|
| ethyl 2-cyanoacrylate     | Human            | Not classified |
| Non-Hazardous Ingredients | Human and animal | Not classified |
| 1,4-dihydroxybenzene      | Guinea pig       | Sensitising    |

### Respiratory Sensitisation

| Name                  | Species | Value          |
|-----------------------|---------|----------------|
| ethyl 2-cyanoacrylate | Human   | Not classified |

### Germ Cell Mutagenicity

| Name                      | Route    | Value  |
|---------------------------|----------|--|
| ethyl 2-cyanoacrylate     | In Vitro | Not mutagenic  |
| Non-Hazardous Ingredients | In Vitro | Not mutagenic  |
| 1,4-dihydroxybenzene      | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 1,4-dihydroxybenzene      | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                      | Route          | Species                 | Value  |
|---------------------------|----------------|-------------------------|--|
| Non-Hazardous Ingredients | Not specified. | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| 1,4-dihydroxybenzene      | Dermal         | Mouse                   | Not carcinogenic   |
| 1,4-dihydroxybenzene      | Ingestion      | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                      | Route     | Value                                  | Species | Test result           | Exposure Duration    |
|---------------------------|-----------|--|---------|-----------------------|----------------------|
| Non-Hazardous Ingredients | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Non-Hazardous Ingredients | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Non-Hazardous Ingredients | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis |
| 1,4-dihydroxybenzene      | Ingestion | Not classified for female reproduction | Rat     | NOAEL 150 mg/kg/day   | 2 generation         |
| 1,4-dihydroxybenzene      | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 150 mg/kg/day   | 2 generation         |
| 1,4-dihydroxybenzene      | Ingestion | Not classified for development         | Rat     | NOAEL 100 mg/kg/day   | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name                  | Route      | Target Organ(s)        | Value  | Species                | Test result         | Exposure Duration     |
|-----------------------|------------|------------------------|--|------------------------|---------------------|-----------------------|
| ethyl 2-cyanoacrylate | Inhalation | respiratory irritation | May cause respiratory irritation   | Human                  | NOAEL Not available | occupational exposure |
| 1,4-dihydroxybenzene  | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                       |
| 1,4-dihydroxybenzene  | Ingestion  | nervous system         | May cause damage to organs   | Rat                    | NOAEL Not available | not applicable        |
| 1,4-dihydroxybenzene  | Ingestion  | kidney and/or bladder  | Not classified   | Rat                    | NOAEL 400 mg/kg     | not applicable        |

### Specific Target Organ Toxicity - repeated exposure

| Name                      | Route      | Target Organ(s)                | Value          | Species | Test result         | Exposure Duration     |
|---------------------------|------------|--------------------------------|----------------|---------|---------------------|-----------------------|
| Non-Hazardous Ingredients | Inhalation | respiratory system   silicosis | Not classified | Human   | NOAEL Not available | occupational exposure |
| 1,4-dihydroxybenzene      | Ingestion  | blood                          | Not classified | Rat     | NOAEL Not available | 40 days               |
| 1,4-dihydroxybenzene      | Ingestion  | bone marrow   liver            | Not classified | Rat     | NOAEL Not available | 9 weeks               |
| 1,4-dihydroxybenzene      | Ingestion  | kidney and/or bladder          | Not classified | Rat     | LOAEL 50 mg/kg/day  | 15 months             |
| 1,4-dihydroxybenzene      | Ocular     | eyes                           | Not classified | Human   | NOAEL Not available | occupational exposure |

## Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

## 11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

## SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 12.1. Toxicity

No product test data available.

| Material                  | CAS #        | Organism | Type  | Exposure | Test endpoint | Test result |
|---------------------------|--------------|----------|---|----------|---------------|-------------|
| ethyl 2-cyanoacrylate     | 7085-85-0    | N/A      | Data not available or insufficient for classification | N/A      | N/A           | N/A         |
| Poly(methyl methacrylate) | 9011-14-7    | N/A      | Data not available or insufficient for classification | N/A      | N/A           | N/A         |
| Non-Hazardous Ingredients | Trade Secret | N/A      | Data not available or insufficient for classification | N/A      | N/A           | N/A         |

|                      |          |                  |              |          |       |              |
|----------------------|----------|------------------|--------------|----------|-------|--------------|
| 1,4-dihydroxybenzene | 123-31-9 | Activated sludge | Experimental | 2 hours  | IC50  | 71 mg/l      |
| 1,4-dihydroxybenzene | 123-31-9 | Green algae      | Experimental | 72 hours | ErC50 | 0.053 mg/l   |
| 1,4-dihydroxybenzene | 123-31-9 | Rainbow trout    | Experimental | 96 hours | LC50  | 0.044 mg/l   |
| 1,4-dihydroxybenzene | 123-31-9 | Water flea       | Experimental | 48 hours | EC50  | 0.061 mg/l   |
| 1,4-dihydroxybenzene | 123-31-9 | Fathead minnow   | Experimental | 32 days  | NOEC  | >=0.066 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Green algae      | Experimental | 72 hours | NOEC  | 0.0015 mg/l  |
| 1,4-dihydroxybenzene | 123-31-9 | Water flea       | Experimental | 21 days  | NOEC  | 0.0029 mg/l  |

## 12.2. Persistence and degradability

| Material                  | CAS Nbr      | Test type                     | Duration | Study Type | Test result   | Protocol                  |
|---------------------------|--------------|-------------------------------|----------|------------|---------------|---------------------------|
| ethyl 2-cyanoacrylate     | 7085-85-0    | Data not availbl-insufficient | N/A      | N/A        | N/A           | N/A                       |
| Poly(methyl methacrylate) | 9011-14-7    | Data not availbl-insufficient | N/A      | N/A        | N/A           | N/A                       |
| Non-Hazardous Ingredients | Trade Secret | Data not availbl-insufficient | N/A      | N/A        | N/A           | N/A                       |
| 1,4-dihydroxybenzene      | 123-31-9     | Experimental Biodegradation   | 14 days  | BOD        | 70 %BOD/ThO D | OECD 301C - MITI test (I) |

## 12.3 : Bioaccumulative potential

| Material                  | Cas No.      | Test type   | Duration | Study Type | Test result | Protocol |
|---------------------------|--------------|---|----------|------------|-------------|----------|
| ethyl 2-cyanoacrylate     | 7085-85-0    | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A      |
| Poly(methyl methacrylate) | 9011-14-7    | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A      |
| Non-Hazardous Ingredients | Trade Secret | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A      |
| 1,4-dihydroxybenzene      | 123-31-9     | Experimental Bioconcentration                         |          | Log Kow    | 0.59        |          |

## 12.4. Mobility in soil

| Material             | Cas No.  | Test type                | Study Type | Test result | Protocol  |
|----------------------|----------|--------------------------|------------|-------------|-----------|
| 1,4-dihydroxybenzene | 123-31-9 | Modeled Mobility in Soil | Koc        | 40 l/kg     | Episuite™ |

## 12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

## 12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

## 12.7. Other adverse effects

No information available.

# SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

### EU waste code (product as sold)

090113\* Aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06

## SECTION 14: Transportation information

Not hazardous for transportation.

|   | Ground Transport<br>(ADR)  | Air Transport (IATA)   | Marine Transport<br>(IMDG)   |
|---|--|--|--|
| <b>14.1 UN number or ID number</b>                                | No data available.   | No data available.   | No data available.   |
| <b>14.2 UN proper shipping name</b>                               | No data available.   | No data available.   | No data available.   |
| <b>14.3 Transport hazard class(es)</b>                            | No data available.   | No data available.   | No data available.   |
| <b>14.4 Packing group</b>   | No data available.   | No data available.   | No data available.   |
| <b>14.5 Environmental hazards</b>                                 | No data available.   | No data available.   | No data available.   |
| <b>14.6 Special precautions for user</b>                          | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Marine Transport in bulk according to IMO instruments</b> | No data available.   | No data available.   | No data available.   |
| <b>Control Temperature</b>  | No data available.   | No data available.   | No data available.   |
| <b>Emergency Temperature</b>                                      | No data available.   | No data available.   | No data available.   |

|                                |                    |                    |                    |
|--------------------------------|--------------------|--------------------|--------------------|
| <b>ADR Classification Code</b> | No data available. | No data available. | No data available. |
| <b>IMDG Segregation Code</b>   | No data available. | No data available. | No data available. |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

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

#### Carcinogenicity

| <u>Ingredient</u>         | <u>CAS Nbr</u> | <u>Classification</u>   | <u>Regulation</u>                           |
|---------------------------|----------------|-------------------------|---|
| 1,4-dihydroxybenzene      | 123-31-9       | Carc. 2                 | Regulation (EC) No. 1272/2008, Table 3.1    |
| 1,4-dihydroxybenzene      | 123-31-9       | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| Poly(methyl methacrylate) | 9011-14-7      | Gr. 3: Not classifiable | International Agency for Research on Cancer |

#### Global inventory status

Contact 3M for more information. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

#### DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

None

#### Regulation (EU) No 649/2012

No chemicals listed

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

## SECTION 16: Other information

#### List of relevant H statements

|      |                                      |
|------|--------------------------------------|
| H302 | Harmful if swallowed.                |
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage.           |
| H319 | Causes serious eye irritation.       |
| H335 | May cause respiratory irritation.    |

|      |   |
|------|---|
| H341 | Suspected of causing genetic defects.                 |
| H351 | Suspected of causing cancer.                          |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Revision information:**

EU Section 09: pH information information was added.  
Section 1: E-mail address information was modified.  
Section 1: Emergency telephone information was modified.  
Section 2: <125ml Precautionary - Prevention information was deleted.  
CLP: Ingredient table information was modified.  
Section 02: CLP Physical and Health Hazard Statements information was modified.  
Label: CLP Classification information was modified.  
Label: CLP Precautionary - Prevention information was deleted.  
Label: CLP Precautionary - Response information was deleted.  
Label: CLP Supplemental Hazard Statements information was added.  
Label: CLP Supplemental Precautionary Statements information was deleted.  
List of sensitizers information was modified.  
Section 02: SDS Elements: CLP Supplemental Precautionary Statements information was added.  
Section 03: Composition table % Column heading information was added.  
Section 3: Composition/ Information of ingredients table information was modified.  
Section 03: SCL table information was added.  
Section 03: Substance not applicable information was added.  
Section 04: First Aid - Symptoms and Effects (CLP) information was added.  
Section 04: Information on toxicological effects information was modified.  
Section 5: Hazardous combustion products table information was modified.  
Section 6: Accidental release personal information information was modified.  
Section 7: Conditions safe storage information was modified.  
Section 8: Occupational exposure limit table information was modified.  
OEL Reg Agency Desc information was modified.  
Section 09: Color information was added.  
Section 9: Evaporation Rate information information was deleted.  
Section 9: Explosive properties information information was deleted.  
Section 9: Flammability (solid, gas) information information was deleted.  
Section 09: Flammability information information was added.  
Section 09: Kinematic Viscosity information information was added.  
Section 9: Melting point information information was modified.  
Section 09: Odor information was added.  
Sections 3 and 9: Odour, colour, grade information information was deleted.  
Section 9: Oxidising properties information information was deleted.  
Section 09: Particle Characteristics N/A information was added.  
Section 9: pH information information was deleted.  
Section 9: Property description for optional properties information was modified.  
Section 9: Vapour density value information was added.  
Section 9: Vapour density value information was deleted.  
Section 9: Viscosity information information was deleted.  
Section 11: Acute Toxicity table information was modified.  
Section 11: Carcinogenicity Table information was modified.  
Section 11: Classification disclaimer information was modified.  
Section 11: Germ Cell Mutagenicity Table information was modified.  
Section 11: No endocrine disruptor information available warning information was added.  
Section 11: Reproductive Toxicity Table information was modified.  
Section 11: Respiratory Sensitization Table information was modified.  
Section 11: Serious Eye Damage/Irritation Table information was modified.  
Section 11: Skin Corrosion/Irritation Table information was modified.  
Section 11: Skin Sensitization Table information was modified.

Section 11: Target Organs - Repeated Table information was added.  
Section 11: Target Organs - Repeated Table information was deleted.  
Section 11: Target Organs - Single Table information was modified.  
Section 12: 12.6. Endocrine Disrupting Properties information was added.  
Section 12: 12.7. Other adverse effects information was modified.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Contact manufacturer for more detail. information was deleted.  
Section 12: Mobility in soil information information was added.  
Section 12: No endocrine disruptor information available warning information was added.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Biocumulative potential information information was modified.  
Section 14 Classification Code – Main Heading information was added.  
Section 14 Classification Code – Regulation Data information was added.  
Section 14 Control Temperature – Main Heading information was added.  
Section 14 Control Temperature – Regulation Data information was added.  
Section 14 Disclaimer Information information was added.  
Section 14 Emergency Temperature – Main Heading information was added.  
Section 14 Emergency Temperature – Regulation Data information was added.  
Section 14 Hazard Class + Sub Risk – Main Heading information was added.  
Section 14 Hazard Class + Sub Risk – Regulation Data information was added.  
Section 14 Hazardous/Not Hazardous for Transportation information was added.  
Section 14 Other Dangerous Goods – Main Heading information was added.  
Section 14 Other Dangerous Goods – Regulation Data information was added.  
Section 14 Packing Group – Main Heading information was added.  
Section 14 Packing Group – Regulation Data information was added.  
Section 14 Proper Shipping Name information was added.  
Section 14 Regulations – Main Headings information was added.  
Section 14 Segregation – Regulation Data information was added.  
Section 14 Segregation Code – Main Heading information was added.  
Section 14 Special Precautions – Main Heading information was added.  
Section 14 Special Precautions – Regulation Data information was added.  
Section 14 Transport in bulk – Regulation Data information was added.  
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was added.  
Section 14 UN Number Column data information was added.  
Section 14 UN Number information was added.  
Section 15: Carcinogenicity information information was modified.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.  
Section 16: UK disclaimer information was deleted.  
Section 2: No PBT/vPvB information available warning information was added.

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**3M Ireland MSDSs are available at [www.3M.com](http://www.3M.com)**