



## Safety Data Sheet

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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

3M Scotch-Weld AC780 Cyanoacrylate Activator

#### Product identification numbers

GS-2000-4430-2

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

##### Identified uses

Adhesive activator

#### 1.3. Details of the supplier of the substance or mixture

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

**E Mail:** tox.uk@mmm.com

**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

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

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

**Indication of danger**

Extremely flammable.

#### 2.2. Label elements

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

**Symbols**

F+ Extremely flammable.

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### Contains:

No ingredients are assigned to the label.

### Risk phrases

R12	Extremely flammable.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

### Safety phrases

S16	Keep away from sources of ignition - No Smoking.
S2	Keep out of the reach of children.
S23C	Do not breathe vapour or spray.
S51	Use only in well ventilated areas.
S24	Avoid contact with skin.

### Special provisions concerning the labelling of certain substances

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

### Notes on labelling

R65 is not required on the label because the product is an aerosol.

Nota P applied to CASRN 64742-49-0.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Naphtha (petroleum), hydrotreated light	64742-49-0	EINECS 265-151-9	40 - 70	Xn:R65 - Nota 4,P (EU) F:R11 (Vendor) R66; R67 (Self Classified)  Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 2, H225 (Vendor) STOT SE 3, H336 (Self Classified)
Propane	74-98-6	EINECS 200-827-9	10 - 30	F+:R12 (EU)  Flam. Gas 1, H220; Liquified gas, H280 - Nota U (CLP)
Butane	106-97-8	EINECS 203-448-7	7 - 13	F+:R12 - Nota C (EU)  Flam. Gas 1, H220; Liquified gas, H280 - Nota C,U (CLP)
Isobutane	75-28-5	EINECS 200-857-2	1 - 5	F+:R12 - Nota C (EU)  Flam. Gas 1, H220; Liquified gas, H280 - Nota C,U (CLP)
n-hexane	110-54-3	EINECS 203-	0.5 - 1.5	Repr.Cat.3:R62; F:R11;

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		777-6		Xn:R48/20; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU)  Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361f; STOT SE 3, H336; STOT RE 1, H372; Aquatic Chronic 2, H411 (CLP)
N,N-Dimethyl-p-toluidine	99-97-8	EINECS 202- 805-4	0.05 - 0.99	T:R23-24-25; R33; R52/53 - Nota C (EU)  Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; STOT RE 2, H373; Aquatic Chronic 3, H412 - Nota C (CLP)

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

Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

#### Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

#### Inhalation

Remove person to fresh air. Get medical attention.

#### If swallowed

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

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

See Section 11.1 Information on toxicological effects

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

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

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

### 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

#### Substance

Carbon monoxide.  
Carbon dioxide.

#### Condition

During combustion.  
During combustion.

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Oxides of nitrogen.

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.

## SECTION 6: Accidental release measures

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Evacuate area. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Contain spill. Collect as much of the spilled material as possible using non-sparking tools. If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. 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 toxic, corrosivity or flammability hazard. Place in a metal 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

For industrial or professional use only. Do not use in a confined area or areas with little or no air movement. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe 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 contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store away from acids. Store away from oxidising agents.

### 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

## 3M Scotch-Weld AC780 Cyanoacrylate Activator

### Occupational exposure limits

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Butane	106-97-8	Health and Safety Comm. (UK)	TWA:1450 mg/m <sup>3</sup> (600 ppm);STEL:1810 mg/m <sup>3</sup> (750 ppm)	
n-hexane	110-54-3	Health and Safety Comm. (UK)	TWA:72 mg/m <sup>3</sup> (20 ppm)	
Propane	74-98-6	Health and Safety Comm. (UK)	Limit value not established:	asphyxiant

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m<sup>3</sup>: milligrams per cubic metre

CELL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Do not remain in area where available oxygen may be reduced. 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

Wear eye/face protection.

The following eye protection(s) are recommended: Safety glasses with side shields.

Indirect vented goggles.

##### Skin/hand protection

Wear protective gloves.

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

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half face piece or full face air-purifying respirator with organic vapour cartridges.

## SECTION 9: Physical and chemical properties

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

#### Physical state

Gas. Aerosol

#### Appearance/Odour

Colourless with paraffinic odour.

#### pH

*Not applicable.*

#### Boiling point/boiling range

*No data available.*

#### Melting point

*Not applicable.*

#### Flammability (solid, gas)

Flammable Aerosol: Category 1.

#### Explosive properties

Not classified

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<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	-40 °C [ <i>Test Method</i> :Closed Cup]
<b>Autoignition temperature</b>	210 °C
<b>Flammable Limits(LEL)</b>	1 % volume
<b>Flammable Limits(UEL)</b>	9.5 % volume
<b>Vapour pressure</b>	<i>No data available.</i>
<b>Relative density</b>	0.71 [ <i>Ref Std</i> :WATER=1]
<b>Water solubility</b>	Negligible
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Evaporation rate</b>	<i>No data available.</i>
<b>Vapour density</b>	>=2.0 [ <i>Ref Std</i> :AIR=1]
<b>Viscosity</b>	<=0.001 Pa-s [ <i>@</i> 23 °C ]
<b>Density</b>	0.71 g/ml

### 9.2. Other information

<b>Hazardous air pollutants</b>	<=1 % weight
<b>Volatile organic compounds (VOC)</b>	100 %
<b>Percent volatile</b>	>=99 % weight
<b>VOC less H2O &amp; exempt solvents</b>	100 %

## 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.  
Heat.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**11.1 Information on Toxicological effects**

**Signs and Symptoms of Exposure**

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

**Eye contact**

Contact with the eyes during product use is not expected to result in significant irritation.

**Skin contact**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation**

Intentional concentration and inhalation may be harmful or fatal. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause target organ effects after inhalation.

**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

**Target Organ Effects:**

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Single exposure, above recommended guidelines, may cause:

Cardiac sensitisation: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Prolonged or repeated exposure may cause:

Peripheral neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

**Reproductive/Developmental Toxicity:**

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Toxicological Data**

**Acute Toxicity**

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg	Not classified (34.16% unknown)
Naphtha (petroleum), hydrotreated light	Dermal	Rabbit	LD50 > 3,160 mg/kg	Not classified
Naphtha (petroleum), hydrotreated light	Inhalation-Vapor (4 hours)	Rat	LC50 > 14.7 mg/l	Not classified
Naphtha (petroleum), hydrotreated light	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
Propane	Inhalation-Gas (4 hours)	Rat	LC50 > 200,000 ppm	Not classified
Butane	Inhalation-Gas (4 hours)	Rat	LC50 277,000 ppm	Not classified
Isobutane	Inhalation-Gas (4 hours)	Rat	LC50 276,000 ppm	Not classified
n-hexane	Dermal	Rabbit	LD50 > 2,000 mg/kg	Not classified
n-hexane	Inhalation-Vapor (4 hours)	Rat	LC50 170 mg/l	Not classified
n-hexane	Ingestion	Rat	LD50 28,700 mg/kg	Not classified

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N,N-Dimethyl-p-toluidine	Dermal	Rabbit	LD50 > 2,000 mg/kg	Category5
N,N-Dimethyl-p-toluidine	Inhalation-Dust/Mist (4 hours)	Rat	LC50 1 mg/l	Category4
N,N-Dimethyl-p-toluidine	Ingestion	Rat	LD50 1,650 mg/kg	Category4

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be mild irritant	Category 3
Naphtha (petroleum), hydrotreated light		Mild irritant	Category 3
Propane		Minimal irritation	Not classified
Butane		No significant irritation	Not classified
Isobutane		No significant irritation	Not classified
n-hexane		Mild irritant	Category 3
N,N-Dimethyl-p-toluidine		No data available	

**Serious Eye Damage/Irritation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
Naphtha (petroleum), hydrotreated light		Mild irritant	Not classified
Propane		Mild irritant	Not classified
Butane		No significant irritation	Not classified
Isobutane		No significant irritation	Not classified
n-hexane		Mild irritant	Not classified
N,N-Dimethyl-p-toluidine		No data available	

**Skin Sensitisation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Naphtha (petroleum), hydrotreated light		Not sensitizing	Not classified
Propane		No data available	
Butane		No data available	
Isobutane		No data available	
n-hexane		Not sensitizing	Not classified
N,N-Dimethyl-p-toluidine		No data available	

**Respiratory Sensitisation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Naphtha (petroleum), hydrotreated light		No data available	
Propane		No data available	
Butane		No data available	
Isobutane		No data available	
n-hexane		No data available	
N,N-Dimethyl-p-toluidine		No data available	

**Germ Cell Mutagenicity**

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Naphtha (petroleum), hydrotreated light	In Vitro	Not mutagenic	Not classified
Propane	In Vitro	Not mutagenic	Not classified



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Butane	In Vitro	Not mutagenic	Not classified
Isobutane	In Vitro	Not mutagenic	Not classified
n-hexane	In vivo	Some positive data exist, but the data are not sufficient for classification	Not classified
N,N-Dimethyl-p-toluidine		No data available	

**Carcinogenicity**

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
Naphtha (petroleum), hydrotreated light	Inhalation		Some positive data exist, but the data are not sufficient for classification	Not classified
Propane			No data available	
Butane			No data available	
Isobutane			No data available	
n-hexane	Dermal		Not carcinogenic	Not classified
n-hexane	Inhalation		Some positive data exist, but the data are not sufficient for classification	Not classified
N,N-Dimethyl-p-toluidine			No data available	

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		Toxic to reproduction and/or development				Overall Reproductive Toxicity classification Category 2 based on component data
Naphtha (petroleum), hydrotreated light	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL 3,000 ppm		
Propane		No data available				
Butane		No data available				
Isobutane		No data available				
n-hexane	Ingestion	Toxic to reproduction and/or development		NOAEL 1,140 mg/kg/day		
n-hexane	Inhalation	Toxic to reproduction and/or development		LOAEL 3.52 mg/l		
N,N-Dimethyl-p-toluidine		No data available				

**Lactation**

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on

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				component data
n-hexane	Inhalation		Some positive data exist, but the data are not sufficient for classification	Not classified

**Target Organ(s)**
**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 1 based on component data
Naphtha (petroleum), hydrotreated light	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Naphtha (petroleum), hydrotreated light	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Naphtha (petroleum), hydrotreated light	Ocular	lacrimation	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm		Not classified
Propane	Inhalation	cardiac sensitization	Causes damage to organs		LOAEL 100,000 ppm		Category 1
Propane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Propane	Inhalation	respiratory irritation	All data are negative		Irritation Negative		Not classified
Butane	Inhalation	cardiac sensitization	Causes damage to organs		NOAEL N/A		Category 1
Butane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 10,000 ppm		Category 3
Butane	Inhalation	heart	Some positive data exist, but the data are not sufficient for classification		LOEL 5,000 ppm		Not classified
Butane	Inhalation	respiratory irritation	All data are negative		Irritation Negative		Not classified
Isobutane	Inhalation	cardiac sensitization	Causes damage to organs		NOAEL N/A		Category 1
Isobutane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Isobutane	Inhalation	respiratory irritation	All data are negative		Irritation Negative		Not classified
n-hexane	Dermal	central	Some positive		LOAEL		Not classified

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		nervous system depression	data exist, but the data are not sufficient for classification		1,350 mg/kg		
n-hexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
n-hexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
n-hexane	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOEL 24.6 mg/l		Not classified
N,N-Dimethyl-p-toluidine			No data available				

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 1 based on component data
Naphtha (petroleum), hydrotreated light	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 100 ppm		Not classified
Naphtha (petroleum), hydrotreated light	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm		Not classified
Naphtha (petroleum), hydrotreated light	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 3,000 ppm		Not classified
Naphtha (petroleum), hydrotreated light	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 900 ppm		Not classified
Naphtha (petroleum), hydrotreated light	Inhalation	hematopoietic system	All data are negative		NOEL 0.23 mg/l		Not classified
Naphtha (petroleum), hydrotreated light	Inhalation	central nervous system   peripheral nervous system	All data are negative		NOEL 9,000 ppm		Not classified
Naphtha (petroleum), hydrotreated light	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
Propane			No data available				
Butane	Inhalation	kidney and/or	Some positive data exist, but the data		LOEL 1,017 ppm		Not classified

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		bladder	are not sufficient for classification				
Butane	Inhalation	blood	All data are negative		NOAEL 4,489 ppm		Not classified
Isobutane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
n-hexane	Inhalation	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification				Not classified
n-hexane	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOAEL 1.76 mg/l		Not classified
n-hexane	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		LOAEL 0.2 mg/l		Not classified
n-hexane	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 35.2 mg/l		Not classified
n-hexane	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		LOAEL 0.44 mg/l		Not classified
n-hexane	Inhalation	immune system	Some positive data exist, but the data are not sufficient for classification		LOEL 0.43 mg/l		Not classified
n-hexane	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOEL 1.4 mg/l		Not classified
n-hexane	Inhalation	eyes	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
n-hexane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 1.76 mg/l		Not classified
n-hexane	Inhalation	heart   skin   endocrine system	All data are negative		NOAEL 1.76 mg/l		Not classified
n-hexane	Ingestion	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,140 mg/kg/day		Not classified
n-hexane	Ingestion	endocrine system   hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 1,000 mg/kg/day		Not classified
n-hexane	Ingestion	liver   immune system   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 40 mg/kg/day		Not classified

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N,N-Dimethyl-p-toluidine			No data available				
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**Aspiration Hazard**

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Naphtha (petroleum), hydrotreated light	Aspiration hazard	Category 1
Propane	Not an aspiration hazard	Not classified
Butane	Not an aspiration hazard	Not classified
Isobutane	Not an aspiration hazard	Not classified
n-hexane	Aspiration hazard	Category 1
N,N-Dimethyl-p-toluidine	Not an aspiration hazard	Not classified

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.

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity****Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

No component test data available.

**12.2. Persistence and degradability**

No test data available.

**12.3 : Bioaccumulative potential**

No test data available.

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5. Results of the PBT and vPvB assessment**

No information available at this time, contact manufacturer for more details

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

## 3M Scotch-Weld AC780 Cyanoacrylate Activator

### 13.1 Waste treatment methods

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

Incinerate in a permitted waste incineration facility. The facility should be equipped to handle gaseous waste.

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)

- 070704\* Other organic solvents, washing liquids and mother liquors
- 16 05 04\* Gases in pressure containers (including halons) containing dangerous substances

## SECTION 14: Transportation information

GS-2000-4430-2

**ADR/RID:** UN1950, AEROSOLS, LIMITED QUANTITY, 2.1, (D), ADR Classification Code: 5F.

**IMDG-CODE:** UN1950, AEROSOLS, (HYDROTREATED LIGHT NAPHTHA (PETROLEUM)), 2.1, LIMITED QUANTITY, Marine Pollutant, (HYDROTREATED LIGHT NAPHTHA (PETROLEUM)), EMS: FD,SU.

**ICAO/IATA:** UN1950, AEROSOLS, FLAMMABLE, 2.1.

## SECTION 15: Regulatory information

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

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

### 15.2. Chemical Safety Assessment

Not applicable

## SECTION 16: Other information

### List of relevant H statements

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.

H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**List of relevant R-phrases**

R11	Highly flammable.
R12	Extremely flammable.
R23	Toxic by inhalation.
R24	Toxic in contact with skin.
R25	Toxic if swallowed.
R33	Danger of cumulative effects.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Revision information:**

Revision Changes:

Section 8: Skin protection - recommended gloves information was modified.

Risk phrase was modified.

Safety phrase was modified.

Section 9: pH information was modified.

Supersedes date text was modified.

Section 1: Main heading was modified.

Section 1: 1.1. product identifier heading was modified.

Section 1: 1.2. Relevant identified uses of the substance or mixture and uses advised against heading was modified.

Section 1: 1.3. Details of the supplier of the substance or mixture heading was modified.

Section 1: 1.4. Emergency telephone number heading was modified.

Section 2: Main heading was modified.

Section 3: Main heading was modified.

Section 4: Main heading was modified.

Section 5: 5.1. Extinguishing media heading was modified.

Section 5: Main heading was modified.

Section 5: 5.3. Advice for fire-fighters was modified.

Section 5: 5.2. Special hazards arising from the substance or mixture heading was modified.

Section 6: 6.3. Methods and material for containment and cleaning up was modified.

Section 6: 6.2. Environmental precautions heading was modified.

Section 6: Main heading was modified.

Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was modified.

Section 7: Main heading was modified.

Section 8: Main heading was modified.

Section 8: 8.1. Control parameters heading was modified.

Section 8: 8.2.1 Engineering controls heading was modified.

Section 9: Main heading was modified.

Section 9: 9.1. Information on basic physical and chemical properties heading was modified.

Section 9: 9.2. Other information heading was modified.

Section 3: Composition table % by Wt Column heading was modified.

Section 10: Main heading was modified.

Section 11: Main heading was modified.

Section 12: Main heading was modified.

Section 13: Main heading was modified.

Section 14: Main heading was modified.  
Section 15: Main heading was modified.  
Section 16: Main heading was modified.  
Section 16: Web address was modified.  
Section 2: Symbol was modified.  
Section 16: UK disclaimer was modified.  
Section 1: Product identification numbers heading was modified.  
Section 1: Product identification numbers was modified.  
Section 9: Evaporation Rate information was modified.  
Section 9: Viscosity information was modified.  
Section 16: List of relevant R phrase information was modified.  
Section 3: Composition/ Information of ingredients table was modified.  
Section 9: n-octanol/water coefficient information was modified.  
Section 9: Boiling point information was modified.  
Section 9: Relative density information was modified.  
Section 9: Solubility in water text was modified.  
Section 8: Skin/hand protection heading was modified.  
Section 2: Indication of danger information was modified.  
Section 12: 12.1. Toxicity heading was modified.  
Section 12: 12.4 Mobility in soil heading was modified.  
Section 12: Contact manufacturer for more detail. was modified.  
Section 12: 12.2. persistence and degradability heading was modified.  
Section 12: 12.3. Bioaccumulative potential heading was modified.  
Section 12: 12.5. Results of the PBT and vPvB assessment was modified.  
Section 12: 12.6. Other adverse effects was modified.  
Section 13: EU waste code (product as sold) information was modified.  
Section 9: Flammability (solid, gas) information was modified.  
Section 9: Explosive properties information was modified.  
Section 9: Oxidising properties information was modified.  
Section 16: Regulations – Inventories – EU ONLY was modified.  
Section 1: Address was modified.  
Copyright was modified.  
Section 9: Flash point information was modified.  
Section 9: Melting point information was modified.  
Section 9: Flammable limits (LEL) information was modified.  
Section 9: Flammable limits (UEL) information was modified.  
Section 9: Vapour density value was modified.  
Section 9: Vapour pressure value was modified.  
Section 9: Density information was modified.  
Section 9: Property description for optional properties was modified.  
Section 2: Additional label requirements phrase was modified.  
Section 4: First aid for skin contact heading was added.  
Section 4: First aid for eye contact heading was added.  
Section 4: First aid for ingestion (swallowing) heading was added.  
Section 4: First aid for inhalation heading was added.  
Section 12: Acute aquatic hazard information was added.  
Section 12: Chronic aquatic hazard heading was added.  
Section 12: Acute aquatic hazard heading was added.  
Section 12: Chronic aquatic hazard information was added.  
Section 2: Other hazards phrase was added.  
Company logo was added.  
Section 8: OEL table agency column heading was added.  
Section 8: OEL table limit type column heading was added.  
OEL Ceiling Heading was added.  
Section 8: Occupational exposure limit table was added.  
Section 8: OEL table Ingredient column heading was added.



Section 8: OEL table Additional Comments column heading was added.  
OEL Reg Agency Desc was added.  
Section 8: TWA key was added.  
Section 8: STEL key was added.  
Section 8: mg/m<sup>3</sup> key was added.  
Section 8: ppm key was added.  
Section 3: Reference to section 15 for Nota info was added.  
Footer page for EU SDS was added.  
Footer of for EU SDS was added.  
Telephone header was added.  
Section 8: OEL table CAS No Column heading was added.  
Company Telephone was added.  
Section 11: Information on Toxicological effects heading was added.  
Section 11: Signs and Symptoms of Exposure heading was added.  
Section 11: Acute Toxicity table heading was added.  
Section 11: Acute Toxicity table ATE text was added.  
Aspiration Hazard Table was added.  
Section 11: Aspiration table heading was added.  
Section 11: Acute Toxicity table was added.  
Section 11: Classification disclaimer was added.  
Section 11: Additional toxicological information statement was added.  
Section 11: Health effects heading was added.  
Carcinogenicity Table was added.  
Section 11: Carcinogenicity table heading was added.  
Section 11: Exposure Duration table heading was added.  
Section 11: Serious Eye Damage/Irritation table heading was added.  
Serious Eye Damage/Irritation Table was added.  
Germ Cell Mutagenicity Table was added.  
Section 11: Germ Cell Mutagenicity table heading was added.  
Section 11: Target Organ Effects heading was added.  
Skin Sensitisation Table was added.  
Respiratory Sensitisation Table was added.  
Section 11: Lactation table heading was added.  
Lactation Table was added.  
Section 11: Name table heading was added.  
Section 11: Lactation table - Name heading was added.  
Section 11: Reproductive and/or Developmental table heading was added.  
Section 11: Reproductive/Developmental Toxicity heading was added.  
Reproductive Toxicity Table was added.  
Section 11: Reproductive Toxicity table heading was added.  
Section 11: Respiratory Sensitisation table heading was added.  
Section 11: Route table heading was added.  
Section 11: Lactation table - Route heading was added.  
Skin Corrosion/Irritation Table was added.  
Section 11: Skin Sensitisation table heading was added.  
Section 11: Species table heading was added.  
Section 11: Lactation table - Species heading was added.  
Section 11: Test Result table heading was added.  
Section 11: Target Organs table heading was added.  
Section 11: Target Organs - Repeated Exposure table heading was added.  
Target Organs - Repeated Table was added.  
Section 11: Target Organs - Single Exposure table heading was added.  
Target Organs - Single Table was added.  
Section 11: Toxicological Data heading was added.  
Section 11: UN GHS Classification table heading was added.  
Section 11: Lactation table - UN GHS Classification heading was added.

Section 11: Value table heading was added.  
Section 11: Lactation table - Value heading was added.  
Section 11: Health Effects - Eye information was added.  
Section 11: Health Effects - Skin information was added.  
Section 11: Health Effects - Inhalation information was added.  
Section 11: Health Effects - Ingestion information was added.  
Section 11: Health Effects - Other information was added.  
Section 11: Reproductive Hazards information was added.  
Section 11: Skin Corrosion/Irritation table heading was added.  
Section 1: Identified uses header was added.  
Section 3: Reference to R and H statement explanation in Section 16 was added.  
Section 3: Disclosure Statement was added.  
Section 12: Classification Warning was added.  
Section 12: No PBT/vPvB information available warning was added.  
Section 2: 2.1. Classification of the substance or mixture heading was added.  
Section 2: 2.2. Label elements heading was added.  
Section 2: 2.3. Other hazards heading was added.  
Section 2: 2.2 & 2.3. DSD/DPD heading was added.  
Section 5: Hazardous combustion products heading was added.  
Section 5: Hazardous combustion products table was added.  
Section 5: Fire - Extinguishing media information was added.  
Section 5: Fire - Special hazards information was added.  
Section 5: Fire - Advice for fire fighters information was added.  
Section 6: 6.4. Reference to other sections heading was added.  
Section 6: Accidental release personal information was added.  
Section 6: Accidental release environmental information was added.  
Section 6: Accidental release clean-up information was added.  
Refer to Section 8 and Section 13 for more information was added.  
Section 7: 7.1. Precautions for safe handling header was added.  
Section 7: 7.2. Conditions for safe storage including any incompatibilities header was added.  
Section 7: 7.3. Specific end use(s) header was added.  
Section 7: More information statement was added.  
Section 7: Precautions safe handling information was added.  
Section 7: Conditions safe storage was added.  
Section 8: 8.1. OEL table heading was added.  
Section 8: 8.2.2. Personal protective equipment (PPE) heading was added.  
Section 8: Appropriate Engineering controls information was added.  
Section 8: Personal Protection - Eye information was added.  
Section 8: Personal Protection - Skin/hand information was added.  
Section 8: Personal Protection - Respiratory Information was added.  
Section 10: 10.1. Reactivity heading was added.  
Section 10: 10.2. Chemical stability heading was added.  
Section 10: 10.3. Possibility of hazardous reactions heading was added.  
Section 10: 10.4. Conditions to avoid heading was added.  
Section 10: 10.5. Incompatible materials heading was added.  
Section 10: 10.6 Hazardous decomposition products was added.  
Section 10: Hazardous decomposition or by-products table was added.  
Section 10.1: Reactivity information was added.  
Section 13: 13.1. Waste treatment method heading was added.  
Section 13: 13.1. Waste disposal note was added.  
Section 13: Standard Phrase Category Waste GHS was added.  
Section 4: 4.1. Description of first aid measures heading was added.  
Section 4: 4.2. Most important symptoms and effects, both acute and delayed was added.  
Section 4: 4.3. Indication of any immediate medical attention and special treatment required heading was added.  
Section 4: First aid for eye contact information was added.  
Section 4: First aid for skin contact information was added.

Section 4: First aid for inhalation information was added.  
Section 4: First aid for ingestion (swallowing) information was added.  
Section 4: First Aid –notes to physician (REACH/GHS) was added.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was added.  
Section 16: List of relevant H statements heading was added.  
Section 4:4.2. Information on toxicological effects text was added.  
Section 8: 8.2. Exposure controls heading was added.  
Section 10: 10.6. Hazardous decomposition products table column 1 heading was added.  
Section 10: 10.6. Hazardous decomposition products table column 2 heading was added.  
Section 15: 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture heading was added.  
Section 15: 15.2. Chemical Safety Assessment was added.  
A chemical safety assessment has been carried out for the relevant substances in this material by the registrant in accordance with regulation REGULATION (EC) No 1907/2006 was added.  
Section 11: Potential effects from eye contact heading was added.  
Section 11: Potential effects from skin contact heading was added.  
Section 11: Potential effects from inhalation heading was added.  
Section 11: Potential effects from ingestion heading was added.  
Section 9: Autoignition temperature information was added.  
Section 7: Handling heading was deleted.  
Company Logo was deleted.  
Section 3: Potential effects from eye contact heading was deleted.  
Section 3: Potential effects from skin contact heading was deleted.  
Section 3: Potential effects from inhalation heading was deleted.  
Section 3: Potential effects from ingestion heading was deleted.  
Section 4: First aid for eye contact - decontamination - was deleted.  
Section 4: First aid for eye contact - medical assistance - was deleted.  
Section 5: Extinguishing media information was deleted.  
Section 7: Storage heading was deleted.  
Section 8: Engineering controls information was deleted.  
Section 8: Prevention of swallowing information was deleted.  
Section 10: Hazardous decomposition or by-products table was deleted.  
Section 13: Waste disposal method heading was deleted.  
Section 13: Waste disposal method information was deleted.  
Section 4: First aid for skin contact - termination of exposure - was deleted.  
Section 4: First aid for skin contact - decontamination - was deleted.  
Section 4: First aid for skin contact - medical assistance - was deleted.  
Section 4: First aid for skin contact - handling - was deleted.  
Section 4: First aid for inhalation - termination of exposure - was deleted.  
Section 4: First aid for inhalation - medical assistance - was deleted.  
Section 4: First aid for ingestion (swallowing) - decontamination - was deleted.  
Section 4: First aid for ingestion (swallowing) - intervention - was deleted.  
Section 4: First aid for ingestion (swallowing) - medical assistance - was deleted.  
Section 3: Other health effects information was deleted.  
Section 6: Release measures note was deleted.  
Section 8: Respiratory protection - recommended respirators guide was deleted.  
Section 8: Skin protection - protective clothing text was deleted.  
Section 3: Ingredient phrase was deleted.  
First Aid text was deleted.  
Section 2 Risk phrases heading was deleted.  
Section 5: Unsuitable extinguishing media heading was deleted.  
Section 8: Hand Protection heading was deleted.  
Section 8: Environmental exposure controls no data available text was deleted.  
Section 8: 8.2.3. Environmental exposure controls heading was deleted.  
Section 9: Important health safety and environmental information heading was deleted.

Section 11: Reproductive/developmental effects table CAS No column heading was deleted.  
Section 11: Reproductive/developmental effects table Classification column heading was deleted.  
Section 11: Reproductive/developmental effects table Ingredient column heading was deleted.  
Regulation table heading was deleted.  
Section 10.1 Conditions to avoid heading was deleted.  
Section 10.2 Materials to avoid heading was deleted.  
Section 10: Hazardous decomposition products heading was deleted.  
Section 11: Reproductive/developmental effects heading was deleted.  
Section 11: Mutagenicity/genotoxicity heading was deleted.  
Section 15: Carcinogenicity heading was deleted.  
Section 2: Risk phrase information was deleted.  
Section 11: Other Health Effects heading was deleted.  
Section 16: Restrictions on use heading was deleted.  
Section 7: Handling information was deleted.  
Section 7: Storage information was deleted.  
Section 8: Prevention of swallowing heading was deleted.  
Section 8: Eye/face protection information was deleted.  
Section 8: Respiratory protection information was deleted.  
Section 8: Skin protection information was deleted.  
Section 5: Unusual fire and explosion hazard information was deleted.  
Section 5: Fire fighting procedures information was deleted.  
Section 11: Reproductive/developmental effects information was deleted.  
Section 11: Mutagenicity/genotoxicity information was deleted.  
Section 15: Carcinogenicity information was deleted.  
Section 11: Mutagenicity/genotoxicity table CAS No column heading was deleted.  
Section 15: Carcinogenicity table Regulation column heading was deleted.  
Section 11: Mutagenicity/genotoxicity table Regulation column heading was deleted.  
Section 11: Mutagenicity/genotoxicity table Ingredient column heading was deleted.  
Section 15: Carcinogenicity table Ingredient column heading was deleted.  
Section 15: Carcinogenicity table CAS No column heading was deleted.  
Section 11: Mutagenicity/genotoxicity table Classification column heading was deleted.  
Section 15: Carcinogenicity table Classification column heading was deleted.  
Section 3 & 8: Composition table Ingredient column heading/ OEL table Ingredient column heading was deleted.  
Section 11: Potential effects from eye contact information was deleted.  
Section 11: Potential respiratory effects information was deleted.  
Section 11: Potential effects from ingestion information was deleted.  
Section 11: Potential effects from skin contact information was deleted.  
Section 12: No data available information was deleted.  
Section 8: OEL table UK HSC WEL column heading was deleted.  
Section 8: OEL table TWA column heading was deleted.  
Section 8: OEL table STEL column heading was deleted.  
Section 8: UK HSC WEL key was deleted.  
Section 8: TWA key was deleted.  
Section 8: STEL key was deleted.  
Section 8: mg/m<sup>3</sup> key was deleted.  
Section 8: ppm key was deleted.  
Section 12: Environmental risk information was deleted.  
Section 8: OEL table CAS column heading was deleted.  
Section 8: OEL table Additional Comments column heading was deleted.  
Section 8: UK Occupational exposure limits was deleted.  
Section 6: Personal precautions information was deleted.  
Section 6: Environmental procedures information was deleted.  
Section 6: Methods for cleaning up information was deleted.  
Section 11: Mutagenicity/genotoxicity information was deleted.  
Section 11: Reproductive/developmental effects information was deleted.  
Section 11: Carcinogenicity information was deleted.

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**3M Scotch-Weld AC780 Cyanoacrylate Activator**

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Section 2: Other hazards heading was deleted.  
Reference to R phrase explanation in Section 16 was deleted.  
Section 16: Restrictions on use was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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