



Safety Data Sheet

Copyright, 2010, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	22-7221-9	Version number:	4.00
Revision date:	30/06/2010	Supersedes date:	26/03/2010
Transportation version number: 1.00 (30/06/2010)			

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

3M Scotch-Weld AC750 Cyanoacrylate Activator

3M Product identification numbers

GS-2000-4508-5

1.2 Use of substance/preparation

Adhesive activator

1.3 Company/undertaking identification

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

2. HAZARDS IDENTIFICATION

Indication of danger

Extremely flammable.

Irritant.

Risk phrases

R12 Extremely flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Other hazards

3M Scotch-Weld AC750 Cyanoacrylate Activator

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nbr	EU Inventory	% by weight	Classification
Isopropyl Alcohol	67-63-0	EINECS 200-661-7	40 - 70	F:R11; Xi:R36; R67 (EU)
Propane	74-98-6	EINECS 200-827-9	10 - 30	F+:R12 (EU)
Butane	106-97-8	EINECS 203-448-7	7 - 13	F+:R12 - Nota C (EU)
Isobutane	75-28-5	EINECS 200-857-2	1 - 5	F+:R12 - Nota C (EU)
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)

Please see section 16 for the full text of any risk phrases referred to under headings 2 and 3 of this Safety Data Sheet.

4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Inhalation

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Skin contact

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

Eye contact

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Ingestion

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).

Unsuitable extinguishing media

Special exposure hazards

3M Scotch-Weld AC750 Cyanoacrylate Activator

Extremely flammable liquid and vapour. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure.

Special instructions for firefighters

Wear full protective equipment and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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. 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.

Environmental procedures

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities.

Methods for cleaning up

Refer to other sections of this Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with detergent and water. Seal the container.

7. HANDLING & STORAGE

7.1 Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Do not pierce or burn container, even after use. Do not spray near flames or sources of ignition. Avoid inhalation of vapours, mists or spray. Avoid skin contact. Avoid eye contact with vapours, mists, or spray. Keep out of the reach of children. Keep container closed when not in use. Vapours may ignite explosively. May cause flash fire. Prevent build-up of vapours - open all windows and doors. Maintain vapour concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapours may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc. For industrial or professional use only. If ventilation is not adequate, use respiratory protection equipment.

7.2 Storage

Store away from heat. Store out of direct sunlight. Keep container in a well-ventilated area. Keep container tightly closed. Store away from oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Ingredient	Agency	Limit type	Additional comments
Butane	Health and Safety Comm. (UK)	TWA:1450 mg/m ³ (600 ppm);STEL:1810 mg/m ³ (750 ppm)	
Isopropyl Alcohol	Health and Safety Comm. (UK)	TWA:999 mg/m ³ (400 ppm);STEL:1250 mg/m ³ (500 ppm)	
Propane	Health and Safety Comm. (UK)	Limit value not established:	asphyxiant

Health and Safety Comm. (UK) : UK Health and Safety Commission
TWA: Time-Weighted-Average

3M Scotch-Weld AC750 Cyanoacrylate Activator

STEL: Short Term Exposure Limit
ppm: parts per million
mg/m³: milligrams per cubic metre
CEIL: Ceiling

8.2 Exposure controls

8.2.1 Occupational exposure controls

Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

Respiratory protection

Avoid inhalation of vapours, mists or spray.

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.

Consult the current 3M Respiratory Selection Guide for additional information or contact 3M for technical assistance.

Hand protection

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

Polyethylene or ethylene vinyl alcohol.

Eye/face protection

Avoid eye contact with vapours, mists, or spray.

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

Indirect vented goggles.

Skin protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Ingestion

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.2.2 Environmental exposure controls

No data available.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 General information

Physical state

Gas. Aerosol

Appearance/Odour

Colorless liquid with alcohol odour.

9.2 Important health safety and environmental information

pH

Not applicable.

Boiling point/boiling range

≥ -42 °C

Melting point

Not applicable.

3M Scotch-Weld AC750 Cyanoacrylate Activator

Flammability (solid, gas)	Not available.
Explosive properties	Not determined.
Oxidising properties	Not determined.
Flash point	>=-42.2 °C [<i>Test Method: Closed Cup</i>]
Flammable limits - LEL	1.8 % volume
Flammable limits - UEL	12.8 % volume
Vapour pressure	<i>No data available.</i>
Relative density	0.80 [<i>Ref Std: WATER=1</i>]
Water solubility	Appreciable
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	2.0 [<i>Ref Std: AIR=1</i>]
Viscosity	0.001 - 0.005 Pa-s [<i>@ 23 °C</i>]
Density	0.8 g/ml

9.3 Other information

Hazardous air pollutants	0 % weight
Volatile organic compounds (VOC)	>=99 %
Percent volatile	>=99 % weight
VOC less H2O & exempt solvents	<i>No data available.</i>

10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

10.1 Conditions to avoid

Sparks and/or flames.
Heat.

10.2 Materials to avoid

Strong oxidising agents.

10.3 Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

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 be absorbed following inhalation and cause target organ effects.

Ingestion

3M Scotch-Weld AC750 Cyanoacrylate Activator

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

Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin contact

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

Other health effects

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

Prolonged or repeated exposure may cause:

 Dermal effects: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No product test data available.

No component test data available.

12.2 Mobility

Please contact 3M for more details.

12.3 Persistence and degradability

No test data available.

12.4 Bioaccumulative potential

No test data available.

12.5 Results of PBT assessment

No data available at this time, contact 3M for more details.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal method: Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste 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)

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

20 01 27* Paint, inks, adhesives and resins containing dangerous substances

Since regulations vary, consult applicable regulations or authorities before disposal.

14. TRANSPORTATION INFORMATION

GS-2000-4508-5

ADR/RID: UN1950, AEROSOLS, LIMITED QUANTITY, (NOT APPLICABLE), 2.1, (D), ADR Classification Code: 5F.

IMDG-CODE: UN1950, AEROSOLS, (NOT APPLICABLE), 2.1, LIMITED QUANTITY, EMS: FD,SU.

ICAO/IATA: UN1950, AEROSOLS, FLAMMABLE, (NOT APPLICABLE), 2.1.

15. REGULATORY INFORMATION

Symbols

F+ Extremely flammable.
Xi Irritant.

Contains:

No ingredients are assigned to the label.

Risk phrases

R12 Extremely flammable.
R36 Irritating to eyes.
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.

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

16. OTHER INFORMATION

List of relevant R-phrases

R11 Highly flammable.
R12 Extremely flammable.
R20 Harmful by inhalation.
R21 Harmful in contact with skin.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R24 Toxic in contact with skin.
R25 Toxic if swallowed.

3M Scotch-Weld AC750 Cyanoacrylate Activator

R33	Danger of cumulative effects.
R36	Irritating to eyes.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

Restrictions on use

For industrial or professional use only.

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information.

Revision information:

No revision information is available.

DISCLAIMER: The information on this Safety Data Sheet is based on 3M's experience and is correct to the best of 3M's knowledge at the date of publication. 3M does not accept 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.

3M Safety Data Sheets are available at www.3M.com/msds