



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 Hot Melt Adhesive 3762-LM-PG, 3762-LM-TC, 3762-LM-Q, 3762-LM-B, 3762-LM-AE

Product Identification Numbers

62-3720-9132-2

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

Identified uses

Hot melt adhesive.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
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

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

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

This product is not classified as hazardous according to EU Directive 1999/45/EC.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Not applicable

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

Not applicable

Notes on labelling**2.3. Other hazards**

May cause thermal burns.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Ethene, vinyl acetate copolymer	24937-78-8		40 - 60	
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	68132-00-3		20 - 40	
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	68478-07-9		1 - 20	
Hydrocarbons, C6-20, polymers, hydrogenated	69430-35-9		<= 10	
Paraffin Wax	8002-74-2	EINECS 232-315-6	1 - 10	

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****Inhalation**

No need for first aid is anticipated.

Skin contact

Immediately flush skin with large amounts of cold water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Get immediate medical attention.

Eye contact

Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Get immediate medical attention.

If swallowed

No need for first aid is anticipated.

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

During combustion.

5.3. Advice for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ventilate the area with fresh air. Observe precautions from other sections.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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**

Avoid skin contact with hot material. For industrial or professional use only.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

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**

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Paraffin Wax	8002-74-2	Health and Safety Comm. (UK)	TWA(as fume):2 mg/m ³ ;STEL(as fume):6 mg/m ³	
Health and Safety Comm. (UK) : UK Health and Safety Commission 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.

8.2. Exposure controls**8.2.1. Engineering controls**

Provide appropriate local exhaust when product is heated. 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:

Full face shield.

Indirect vented goggles.

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Thermal hazards

Wear heat insulating gloves when handling hot material to prevent thermal burns.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid.
Specific Physical Form:	Waxy Solid
Appearance/Odour	Off-White, mild resinous odour.
Odour threshold	<i>No data available.</i>
pH	<i>Not applicable.</i>
Boiling point/boiling range	<i>Not applicable.</i>
Melting point	96.7 °C [<i>Test Method</i> : Ring and Ball]
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	293.3 °C
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Relative density	1.01 [<i>Ref Std</i> : WATER=1]
Water solubility	Nil
Solubility- non-water	<i>No data available.</i>

Partition coefficient: n-octanol/water	No data available.
Evaporation rate	Not applicable.
Vapour density	Not applicable.
Decomposition temperature	No data available.
Viscosity	Not applicable.
Density	1.01 g/cm ³

9.2. Other information

Hazardous air pollutants	0 % weight [<i>Test Method</i> :Calculated]
Volatile organic compounds (VOC)	0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1]
Percent volatile	approximately 0 % weight
VOC less H ₂ O & exempt solvents	0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1]
Solids content	100 %

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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 3M assessments.

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:

Inhalation

No health effects are expected.

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During heating:

Thermal burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction.

Eye contact

During heating:

Thermal burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.

Ingestion

No health effects are expected.

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
Ethene, vinyl acetate copolymer	Dermal		LD50 estimated to be > 5,000 mg/kg
Ethene, vinyl acetate copolymer	Ingestion	Rat	LD50 > 1,000 mg/kg
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	Ingestion		LD50 estimated to be > 5,000 mg/kg
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	Dermal	Rabbit	LD50 > 3,160 mg/kg
Hydrocarbons, C6-20, polymers, hydrogenated	Dermal	Rat	LD50 > 2,000 mg/kg
Hydrocarbons, C6-20, polymers, hydrogenated	Ingestion	Rat	LD50 > 5,000 mg/kg
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	Ingestion	Rat	LD50 > 5,000 mg/kg
Paraffin Wax	Dermal	Rabbit	LD50 > 5,000 mg/kg
Paraffin Wax	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Ethene, vinyl acetate copolymer		No significant irritation
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated		No significant irritation
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	similar compounds	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Ethene, vinyl acetate copolymer		No significant irritation
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated		No significant irritation
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	similar compounds	Mild irritant

Skin Sensitisation

Name	Species	Value

Respiratory Sensitisation

Name	Species	Value

Germ Cell Mutagenicity

Name	Route	Value

3M Scotch-Weld Hot Melt Adhesive 3762-LM-PG, 3762-LM-TC, 3762-LM-Q, 3762-LM-B, 3762-LM-AE**Carcinogenicity**

Name	Route	Species	Value

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

Name	Route	Value	Species	Test result	Exposure Duration

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Ethene, vinyl acetate copolymer	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 4,000 mg/kg/day	90 days

Aspiration Hazard

Name	Value

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 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 Nbr	Organism	Type	Exposure	Test endpoint	Test result
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	68132-00-3		Data not available or insufficient for classification			
Hydrocarbons, C6-20, polymers, hydrogenated	69430-35-9		Data not available or insufficient for classification			
Ethene, vinyl acetate	24937-78-8		Data not available or			

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copolymer			insufficient for classification			
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	68478-07-9		Data not available or insufficient for classification			
Paraffin Wax	8002-74-2	Water flea	Experimental	48 hours	EC50	>10,000 mg/l
Paraffin Wax	8002-74-2	Rainbow trout	Experimental	96 hours	LC50	>1,000 mg/l
Paraffin Wax	8002-74-2	Green algae	Experimental	96 hours	EC50	>1,000 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	68132-00-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrocarbons, C6-20, polymers, hydrogenated	69430-35-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethene, vinyl acetate copolymer	24937-78-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	68478-07-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Paraffin Wax	8002-74-2	Estimated Biodegradation	28 days	BOD	40 % weight	OECD 301F - Manometric respirometry

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	68132-00-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrocarbons, C6-20, polymers, hydrogenated	69430-35-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethene, vinyl	24937-78-8	Data not	N/A	N/A	N/A	N/A

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acetate copolymer		available or insufficient for classification				
Naphtha, light steam-cracked aromatic, piperylene concentrate, polymerised	68478-07-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Paraffin Wax	8002-74-2	Estimated Bioconcentration		Log Kow	10.2	Estimated: Octanol-water partition coefficient

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

Ingredient	CAS Nbr	PBT/vPvB status
Naphtha (petroleum), light steam-cracked, debenzenised, polymers, hydrogenated	68132-00-3	Meets REACH PBT criteria

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

See Section 11.1 Information on toxicological effects

This product has been classified as a non-hazardous waste. Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate 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)

- 08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09
- 20 01 28 Paint, inks, adhesives and resins other than those mentioned in 20 01 27

SECTION 14: Transportation information

62-3720-9132-2

Not hazardous for transportation

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 China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional 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 Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance 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

Revision information:

Revision Changes:

Section 1: Product identification numbers heading information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Biocumulative potential information information was modified.

Telephone header information was modified.

Company Telephone information was modified.

Section 11: Acute Toxicity 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: Target Organs - Repeated Table information was modified.

Section 5: Fire - Advice for fire fighters information information was modified.

Section 4: First aid for inhalation information information was modified.

Section 8: Personal Protection - Respiratory Information information was added.

Not applicable information was added.

Not applicable information was added.

Section 12: Classification Warning information was added.

Section 11: Classification disclaimer information was added.

Section 8: 8.1.1 Biological limit values table heading information was added.

Section 8: BLV information was added.

Safety phrase information was deleted.

Section 2: Contains heading information was deleted.

Section 2: Safety phrases heading information was deleted.

Section 2: Risk phrases heading information was deleted.

Section 8: Respiratory protection information information was deleted.

Section 2: Label ingredient information information was deleted.

Section 2: Special provisions concerning the labelling of certain substances heading information was deleted.

Section 2: Additional label requirements phrase information was deleted.

Label: CLP Percent Unknown information was deleted.

Label: CLP Supplemental Information - Header information was deleted.

Label: CLP Supplemental Precautionary Statements - Header information was deleted.

Label: CLP Supplemental Precautionary Statements information was deleted.

Section 11: Aspiration Hazard Table information was deleted.

Section 11: Classification disclaimer information was deleted.

Section 11: Carcinogenicity Table information was deleted.

Section 11: Germ Cell Mutagenicity Table information was deleted.

Section 11: Skin Sensitization Table information was deleted.

Section 11: Respiratory Sensitization Table information was deleted.

Section 11: Reproductive Toxicity Table information was deleted.

Section 11: Target Organs - Single Table information was deleted.

Section 12: Classification Warning information was deleted.

Risk phrase - None information was deleted.

Label: Graphic information was deleted.

Section 02: Graphic information information 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.

3M United Kingdom MSDSs are available at www.3M.com/uk