



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.

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

1.1 Identification of the substance or preparation

3M Scotchkote Epoxy Coating 152LV, Black (Part A)

3M Product identification numbers

GR-2001-0160-2

1.2 Use of substance/preparation

Coating.

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

Dangerous to environment.

Irritant.

Risk phrases

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3M Scotchkote Epoxy Coating 152LV, Black (Part A)

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Non-hazardous ingredients	Mixture		40 - 60	
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4		20 - 35	N:R51/53; R43 (3M)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6		10 - 25	Xi:R36-38; N:R51/53; R43 (EU)
Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives	68081-84-5	EINECS 268-358-2	1 - 5	Xi:R36-38; N:R51/53; R43 (Vendor)
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	EINECS 265-185-4	< 1	Xn:R65 - Nota 4,H,P (EU) N:R51/53; R10 (Vendor) R66; R67 (3M)

Please see section 16 for the full text of any R Phrases referred to under heading 3 of this safety data sheet
Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

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

Not applicable.

Special instructions for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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

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could cause flammable gases or vapours in the spill area to burn or explode.

Environmental procedures

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Please observe precautions from other sections of this Safety Data Sheet. Contain spill. 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. Collect as much of the spilled material as possible. 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.

7. HANDLING & STORAGE

7.1 Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid inhalation of vapours, mists or spray. For industrial or professional use only. Avoid contact with oxidising agents. Avoid skin contact. Avoid eye contact with vapours, mists, or spray.

7.2 Storage

Store away from acids. Store away from oxidising agents. Store at temperatures between 5 - 32 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2 Exposure controls

8.2.1 Occupational exposure controls

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.

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P2 particulate prefilters.

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:

Neoprene.

Nitrile rubber.

Eye/face protection

Avoid eye contact.

The following eye protection(s) are recommended: Indirect vented goggles.

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Skin protection

Avoid skin contact.

The following protective clothing material(s) are recommended: Disposable tyvek coveralls.

Neoprene apron.

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	Liquid.
Specific Physical Form:	Thixotropic liquid.
Appearance/Odour	Faint epoxy odour; Black colour

9.2 Important health safety and environmental information

pH	<i>No data available.</i>
Boiling point/boiling range	≥ 200 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	154 °C [<i>Test Method: Closed Cup</i>]
Flammable limits - LEL	<i>No data available.</i>
Flammable limits - UEL	<i>No data available.</i>
Vapour pressure	1.3 Pa [<i>@ 20 °C</i>]
Relative density	1.83 [<i>Ref Std: WATER=1</i>]
Water solubility	0 %
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Viscosity	<i>No data available.</i>
Density	1.83 g/ml

9.3 Other information

Volatile organic compounds (VOC)	14 g/l [<i>Details: Part A & Part B mixture using EU definition</i>]
Percent volatile	0.15 %

10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

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10.1 Conditions to avoid

Avoid curing large quantities of material to prevent a premature reaction (exotherm) with production of intense heat and smoke.

10.2 Materials to avoid

Accelerators

Amines.

Reaction with water, alcohols, and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.

Strong acids.

Strong bases.

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

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

Ingestion

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

Eye contact

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

Skin contact

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Acute aquatic hazard:

GHS Acute 2: Toxic to aquatic life with long lasting effects.

Chronic aquatic hazard:

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.

No component test data available.

12.2 Mobility

Please contact 3M for more details.

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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: Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material. Combustion products will include HCl. Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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

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 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

14. TRANSPORTATION INFORMATION

GR-2001-0160-2

ADR/RID: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. LIMITED QUANTITY, (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND 4,4-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN POLYMER), 9., III, (--), ADR Classification Code: M6.

IMDG-CODE: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND 4,4-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN POLYMER), 9., III, LIMITED QUANTITY, Marine Pollutant, (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND 4,4-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN POLYMER), EMS: FA, SF.

ICAO/IATA: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND 4,4-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN POLYMER), 9., III, fish and tree marking required.

15. REGULATORY INFORMATION

3M Scotchkote Epoxy Coating 152LV, Black (Part A)

Symbols

Xi	Irritant.
N	Dangerous to environment.

Contains:

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane; Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives; Phenol-formaldehyde polymer, glycidyl ether

Risk phrases

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S23A	Do not breathe vapour.
S24	Avoid contact with skin.
S37	Wear suitable gloves.
S62	If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Special provisions concerning the labelling of certain substances

Contains epoxy resins. See information supplied by manufacturer.

Notes on labelling

Nota P applied to CAS 64742-82-1.

16. OTHER INFORMATION

List of relevant R-phrases

R10	Flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
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.

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