

# **Safety Data Sheet**

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 06/10/2010
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**Transportation version number:** 1.00 (05/10/2010)

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

# IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1 Identification of the substance or preparation

3M Scotch-Weld DP-100 Plus Epoxy Adhesive, Clear

## 3M Product identification numbers

62-3272-1435-9

## 1.2 Use of substance/preparation

#### 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

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet for each of these components is included. Please do not separate the component Safety Data Sheets from this cover page. The document numbers of the MSDSs for components of this product are:

05-6630-7, 05-6631-5

# TRANSPORTATION INFORMATION

62-3272-1435-9

**ADR/RID:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. LIMITED QUANTITY, (BISPHENOL A-EPICHLOROHYDRIN COPOLYMER), 9., III, (--), ADR Classification Code: M6.

**IMDG-CODE:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (BISPHENOL A-EPICHLOROHYDRIN COPOLYMER), 9., III, LIMITED QUANTITY, Marine Pollutant, (BISPHENOL A-

EPICHLOROHYDRIN COPOLYMER), EMS: FA,SF.

ICAO/IATA: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (BISPHENOL A-

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EPICHLOROHYDRIN COPOLYMER), 9., III, fish and tree marking required.

# KIT LABEL

**Symbols** 

Xi Irritant.

N Dangerous to environment.

#### **Contains:**

Consult the component labels for disclosable ingredients.

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

Use only in well ventilated areas.

S23A Do not breathe vapour. S22 Do not breathe dust.

S24/25 Avoid contact with the skin and eyes.

Wear suitable gloves.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28B After contact with skin, wash immediately with plenty of water.

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

## **Revision information:**

**Revision Changes:** 

Section 1: 3M Product identification numbers was modified.

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# **Safety Data Sheet**

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 26/03/2010

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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 Scotch-Weld DP-100 Plus Epoxy Adhesive, Clear (Part A)

#### 1.2 Use of substance/preparation

Industrial use.

# 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

Irritant.

Risk phrases

R36/38 Irritating to eyes and skin.

Other hazards

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nbr	EU Inventory	% by weight	Classification

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rade Secret	10 - 20	
'n		rade Secret 10 - 20

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

Remove contaminated clothing and shoes.Immediately flush skin with large amounts of water. 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

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g. water, foam).

#### Unsuitable extinguishing media

## Special exposure hazards

Not applicable.

#### Special instructions for firefighters

Water may be used to blanket the fire. 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 could cause flammable gases or vapours in the spill area to burn or explode.

#### **Environmental procedures**

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. Keep out of the reach of children. Avoid breathing of dust created by cutting, sanding, grinding or machining.

#### 7.2 Storage

Store away from heat.

# 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

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use in a well-ventilated area. Provide ventilated enclosure for heat curing.

#### Respiratory protection

Avoid inhalation of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with P3 particulate filters.

Half facepiece or fullface air-purifying respirator with P2 particulate filters.

Half facepiece or fullface air-purifying respirator with P2 particulate filters.

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:

Polyehtylene or ethylene vinyl alcohol.

## Eye/face protection

Avoid eye contact.

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 Liquid.
Specific Physical Form: Viscous.

Appearance/Odour clear, mercaptan odour

9.2 Important health safety and environmental information

pH

Boiling point/boiling range

Melting point

Melting point

Flammability (solid, gas)

Explosive properties

Oxidising properties

Not applicable.

Not available.

Not determined.

Not determined.

Flash point >=115 °C [Test Method:Estimated]

Flammable limits - LEL

Flammable limits - UEL

Vapour pressure

Not applicable.

Not applicable.

<=1.3 Pa [@, 20 °C ]

Relative density 1.15

Water solubilityNegligiblePartition coefficient: n-octanol/waterNo data available.Evaporation rateNot applicable.Vapour densityNot applicable.

Viscosity 19.4 Pa-s [@ 20 °C ]

**Density** 1.15 g/ml

9.3 Other information

Volatile organic compounds (VOC) 0 g/l VOC less H2O & exempt solvents 0 g/l

# 10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

#### 10.1 Conditions to avoid

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exothem) with production of intense heat and smoke.

#### 10.2 Materials to avoid

None known.

#### 10.3 Hazardous decomposition products

Substance

Carbon monoxide. Carbon dioxide. Hydrogen Sulfide Oxides of sulphur.

#### Condition

During combustion.
During combustion.
During combustion.
During combustion.

# 11. TOXICOLOGICAL INFORMATION

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Vapours from heated material may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, 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. Vapours from heated material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Dust created by cutting, grinding, sanding, or machining may cause 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.

# 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:** 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.

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

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

# 14. TRANSPORTATION INFORMATION

# 15. REGULATORY INFORMATION

**Symbols** 

Xi Irritant.

**Contains:** 

No ingredients are assigned to the label.

Risk phrases

R36/38 Irritating to eyes and skin.

Safety phrasesNone

Special provisions concerning the labelling of certain substances

3M Scotch-Weld DP-100 Plus Epoxy Adhesive, Clear (Part A)
Notes on labelling
16. OTHER INFORMATION
Restrictions on use
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

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# **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 Scotch-Weld DP-100 Plus Epoxy Adhesive, Clear (Part B)

#### 1.2 Use of substance/preparation

Base for two part epoxy adhesive

#### 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

Ingredient	CAS Nbr	<b>EU Inventory</b>	% by weight	Classification
Epoxy resin (reaction product bisphenol A -	25068-38-6		60 - 99	Xi:R36-38; N:R51/53; R43 (EU)
epichlorhydrin, MW<700)				
[3-(2,3-Epoxypropoxy)propyl]	2530-83-8	EINECS 219-	< 2	Xi:R38-41 (3M)
trimethoxysilane		784-2		

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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

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

#### Skin contact

Remove contaminated clothing and shoes.Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

#### Eve 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

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g. water, foam).

### Unsuitable extinguishing media

#### Special exposure hazards

No unusual fire or explosion hazards are anticipated.

#### **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. 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. Ventilate the area with fresh air.

#### **Environmental procedures**

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. Clean up residue. Collect as much of the spilled material as possible.

# 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 eye contact

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with vapours, mists, or spray. Keep out of the reach of children. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Avoid contact with oxidising agents.

#### 7.2 Storage

Store away from acids. Store away from oxidising agents.

# 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

Provide appropriate local exhaust for cutting, grinding, sanding or machining. 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. Provide ventilated enclosure for heat curing. If exhaust ventilation is not available, use appropriate respiratory protection.

#### Respiratory protection

Avoid breathing of dust created by cutting, sanding, grinding or machining.

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

Half facepiece or fullface air-purifying respirator with P3 particulate filters.

Half facepiece or fullface air-purifying respirator with P2 particulate filters.

Half facepiece or fullface air-purifying respirator with P2 particulate filters.

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

Polyehtylene 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

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No data available.

# 9. PHYSICAL/CHEMICAL PROPERTIES

9.1 General information

Physical state Liquid. **Specific Physical Form:** Viscous.

Appearance/Odour light straw colored, epoxy odour

9.2 Important health safety and environmental information

Not applicable. Boiling point/boiling range Not applicable. Melting point No data available. Flammability (solid, gas) Not available. **Explosive properties** Not determined. **Oxidising properties** Not determined.

Flash point >=115.6 °C [Test Method:Closed Cup] [Details:MITS data]

Flammable limits - LEL Not applicable. Flammable limits - UEL Not applicable. <=4 Pa [@ 20 °C ] Vapour pressure

Relative density 1.17

Partition coefficient: n-octanol/water No data available. **Evaporation rate** Not applicable. Vapour density Not applicable.

Viscosity 4 - 11 Pa-s [@ 26.7 °C ] [Test Method:Brookfield]

9.3 Other information

< 1 % weight [Test Method:calculated per EPA method 24] Volatile organic compounds (VOC)

Percent volatile < 1 % weight

VOC less H2O & exempt solvents < 12 g/l [Test Method:calculated per EPA method 24]

# 10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

# 10.1 Conditions to avoid

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exothem) with production of intense heat and smoke.

#### 10.2 Materials to avoid

Strong acids.

Strong oxidising agents.

Amines.

#### 10.3 Hazardous decomposition products

Condition **Substance** 

Aldehydes. During combustion. Hydrocarbons. During combustion.

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Carbon monoxide.

Carbon dioxide.

Carbon dioxide.

During combustion.

During combustion.

During combustion.

# 11. TOXICOLOGICAL INFORMATION

#### Inhalation

Vapours released during curing may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, 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. Vapours released during curing may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Dust created by cutting, grinding, sanding, or machining may cause 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.

Prolonged or repeated exposure may cause:

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

# Sensitisation

IngredientCAS NbrClass descriptionRegulationEpoxy resin (reaction product bisphenol A -<br/>epichlorhydrin, MW<700)</td>25068-38-6Sensitiser skin (R43)Annex I (67/548/EEC)

# 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

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Waste disposal method: Cure (harden, set, or react) the product according to product instructions. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Incinerate in an industrial or commercial facility. Reclaim if feasible. Dispose of completely cured (or polymerised) wastes in a sanitary landfill.

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

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

# 14. TRANSPORTATION INFORMATION

# 15. REGULATORY INFORMATION

**Symbols** 

Xi Irritant

Ν Dangerous to environment.

**Contains:** 

Epoxy resin (reaction product bisphenol A - epichlorhydrin, MW<700)

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

Use only in well ventilated areas. S51

Do not breathe vapour. S23A S22 Do not breathe dust.

S24/25 Avoid contact with the skin and eyes.

S37 Wear suitable gloves.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S26

**S28B** After contact with skin, wash immediately with plenty of water.

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

# 16. OTHER INFORMATION

## List of relevant R-phrases

R36 Irritating to eyes. R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

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.

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