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SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:

3M 08122 Structural Adhesive, Duo-Pack

1.2 Intended Use of Product:

For use in bonding metal to metal, ie door skins, wings etc.

1.3 3M Product ID:

FS-9100-3541-9

1.4 Contact Address:

3M UK PLC 3M Ireland
3M Centre, Cain Road, 3M House, Adelphi Centre,
Bracknell, Berkshire, RG12 8HT Dun Laoghaire, Co. Dublin

1.5 E-mail Address and Emergency Contact Number:

tox.uk@mmm.com
+44 (0)1344 858 000

2 HAZARDS IDENTIFICATION

Risk Phrases:

R34 Causes burns.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms. May cause long-term
adverse effects in the aquatic environment.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
PART A: ---		
3,3'-Oxybis(ethyleneoxy)bis (propylamine)	4246-51-9	60.0 - 70.0
EU Number: EINECS 224-207-2 Vendor Classification: C: R34; R52/53		
Epoxy resin (reaction product bisphenol A - epichlorhydrin, MW<700)	25068-38-6	10.0 - 20.0
EU Number: NLP 500-033-5 EU Classification: Xi: R36/38; R43; N: R51-53		
Sulphonic acid salt	---	5.0 - 10.0
2,4,6-Tris(dimethylaminomethyl) phenol	90-72-2	10.0 - 20.0
EU Number: EINECS 202-013-9 EU Classification: Xn: R22; Xi: R36/38		
PART B: ---		
Epoxy resin (reaction product bisphenol A - epichlorhydrin, MW<700)	25068-38-6	70.0 - 80.0
EU Number: NLP 500-033-5		

EU Classification: Xi: R36/38; R43; N: R51-53
Modified diglycidyl ether --- 10.0 - 20.0
Methyl methacrylate - butadiene - 25053-09-2 10.0 - 20.0
styrene polymer
[3-(2,3-Epoxypropoxy)propyl] 2530-83-8 1.0 - 5.0
trimethoxysilane
EU Number: EINECS 219-784-2
Vendor Classification: N: R51/53
3M Classification: Xi: R38-41
Silicon dioxide 7631-86-9 1.0 - 5.0
EU Number: EINECS 231-545-4

4 FIRST-AID MEASURES

4.1 Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

4.2 Skin Contact:

Immediately flush skin with large amounts of water for at least 15 minutes in a chemical safety shower while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

4.3 Inhalation:

If signs or symptoms occur, remove person to fresh air. If signs/symptoms continue, call a medical doctor.

4.4 Ingestion:

If swallowed, do NOT induce vomiting. Drink two glasses of water. Call a medical doctor immediately. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Water spray. Carbon dioxide. Dry chemical. Foam.

5.2 Unsuitable Extinguishing Media:

Not specified.

5.3 Exposure Hazards:

Not determined.

5.4 Combustion Products from Fire:

Not determined.

5.5 Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

5.6 Special Instructions:

None known.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Please observe precautions from other sections of this MSDS.

6.2 Methods for Cleaning up:

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.
Clean up residue.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

- Fire Prevention:
Not applicable.

7.2 Precautions for Safe Storage:
Store in a cool place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:
Not determined.

8.2 Exposure Limits:
None of the substances in the section 3 ingredient list are listed in the EH40 Exposure Limit Inventory.

8.3 Exposure Controls:

8.3.1 Eye Protection:
Avoid eye contact.
Indirect vented goggles.

8.3.2 Hand Protection:
Wear appropriate gloves when handling this material.

8.3.3 Skin Protection:
Avoid skin contact.

8.3.4 Respiratory Protection:
Avoid inhalation of vapours. Avoid breathing of dust created by cutting, sanding, grinding or machining.

8.3.5 Ingestion:
Do not ingest.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odour: Tan/ off-white paste.

- pH: Not applicable

- Boiling point/boiling range: Not applicable

- Melting point/melting range: Not determined

- Flash point: > 90 °C

- Autoflammability: Not determined

- Flammable Limits - LEL: Not determined

- Flammable Limits - UEL: Not determined

- Vapour pressure: Not determined

- Water Solubility: Not determined

- Specific gravity: ± 1.10 g/cc
- Vapour density: Not determined
- Volatile organic compounds: Not determined
- Evaporation rate: Not determined
- Viscosity: Not determined
- Percent Volatile: Not determined

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

None known.

10.3 Materials to Avoid:

None known.

10.4 Hazardous Decomposition:

Carbon monoxide and carbon dioxide.
Amine compounds.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

- Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

11.2 Effects from Skin Contact:

- Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
- Corrosive (Skin Burns): Signs/symptoms may include localised redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

11.3 Effects from Inhalation:

- Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

11.4 Effects from Ingestion:

- Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

11.5 Other Effects and Information:

Not specified.

12 ECOLOGICAL INFORMATION

12.1 Environmental Data:

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

Not determined.

12.4 Bioaccumulation Potential:

Not determined.

12.5 Ecotoxicity Data:

Not determined.

12.6 Ecofate Data:

Not determined.

12.7 Special statements for 2001/58/EC:

Not determined.

12.8 Other Effects and Information:

No data available. Since regulations vary, consult applicable regulations or authorities before disposal.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

Not determined.

13.2 Product in Use:

Not determined.

13.3 Product after Use:

Not determined.

13.4 Product Packaging:

Not determined.

13.5 Potential for Recycling:

Not determined.

13.6 Special Instructions:

Incinerate in an industrial or commercial facility.

14 TRANSPORT INFORMATION

- UN number: Part A: UN3267
 Part B: UN3082
- IMO Class: Part A: 8
 Part B: 9
- IMO Packing Group: Part A: II
 Part B: III
- IMO Proper Shipping Name: Part A: Corrosive liquid,basic,
 organic, n.o.s (contains 4,7,
 10-trioxatridecane-1-13-diamine
)
 Part B: Environmentally
 hazardous substance,liquid,
 n.o.s (liquid epoxy resin)
- ADR Class: Part A: 8
 Part B: 9
- ADR Classification: Part A: C7
 Part B: M6
- ADR Packing Group: Part A: II
 Part B: III

- IATA Class: Part A: 8
Part B: 9
- IATA Packing Group: Part A: Packing group II
Part B: Packing group III
- IATA Proper Shipping Name: Part A: Corrosive liquid, basic,
organic, n.o.s (contains 4,7,
10-trioxatridecane-1-13-diamine
)
Part B: Environmentally
hazardous substance, liquid,
n.o.s (liquid epoxy resin)

15 REGULATORY INFORMATION

Symbol(s):

- C Corrosive.
N Dangerous to environment.

Risk Phrases:

- R34 Causes burns.
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:

- S24/25 Avoid contact with the skin and eyes.
S36/37/39B Wear suitable protective clothing, gloves, and eye
and face protection.
S51 Use only in well ventilated areas.
S26 In case of contact with eyes, rinse immediately with
plenty of water and seek medical advice.
S27/28A After contact with skin, take off immediately all
contaminated clothing, and wash immediately with
plenty of soap and water.
S45 In case of accident or if you feel unwell, seek
medical advice immediately (show the label where
possible).
S61 Avoid release to the environment. Refer to special
instructions/safety data sheets.
- 3M Contains epoxy resins. See information supplied by
manufacturer.

Disclosable Ingredients:

- PART A:
3,3'-Oxybis(ethyleneoxy)bis(propylamine);
Epoxy resin (reaction product bisphenol A - epichlorhydrin,
MW<700).
PART B:
Epoxy resin (reaction product bisphenol A - epichlorhydrin,
MW<700);
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

- R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R51 Toxic to aquatic organisms.

- R52 Harmful to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Complete MSDS revision in accordance with EU directive 2001/58/EC.

16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

The Chemicals (Hazard Information and Packaging for supply)

Regulations, as amended;

The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles

Regulations 1996, as amended;

The Control of Substances Hazardous to Health Regulations 1999 as amended;

The Special Waste Regulations 1996, as amended;

The Environmental Protection Act, 1990, as amended;

The Health and Safety at Work Act, 1974, as amended.

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.