

3M UK PLC
3M CENTRE, CAIN RD,
BRACKNELL, BERKSHIRE, RG12 8HT
Tel: 01344 858000

3M IRELAND
3M HOUSE, ADELPHI CENTRE,
DUN LAOGHAIRE, CO. DUBLIN
Tel: 01 2803555

=====
Kit MSDS
=====

Document id : 19-4057-6 Issue date : 03/11/2005
Version : 4.00 Supersedes date : 07/10/2005

1 INFORMATION REGARDING KIT

Dear Customer,

This is the cover sheet for the KIT MSDS.

You will find the document numbers of the MSDS that belong to the kit here on this page.

Tradename:

BUMPER REPAIR MATERIAL P/N 05901 PART A/B

3M Product ID:

FS-9100-3531-0

Kit Components

08-7101-2 3M(TM) BUMPER REPAIR MATERIAL 05900 PART B

08-7102-0 3M(TM) BUMPER REPAIR MATERIAL 05900 PART A

The information on this 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 UK PLC
3M CENTRE, CAIN RD,
BRACKNELL, BERKSHIRE, RG12 8HT
Tel: 01344 858000

3M IRELAND
3M HOUSE, ADELPHI CENTRE,
DUN LAOGHAIRE, CO. DUBLIN
Tel: 01 2803555

=====

MATERIAL SAFETY DATA SHEET

=====

Document id : 08-7101-2 Issue date : 08/09/2004
Version : 5.00 Supersedes date : 25/03/2003

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M(TM) BUMPER REPAIR MATERIAL 05900 PART B

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
CALCIUM CARBONATE	1317-65-3	40 - 50
PHENOL-FORMALDEHYDE POLYMER	28064-14-4	25 - 35
GLYCIDYL ETHER		
EU Hazard Symbols and Risk Phrases: EU - Vendor Classified (Xi,N; R:36-38-43-51/53)		
	25068-38-6	20 - 30
4,4'-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN POLYMER		
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (Xi,N; R:36-38-43-51-53)		
DIMETHYL SILOXANE, REACTION PRODUCT WITH SILICA	67762-90-7	1 - 5
Auxiliary Agent	---	Less Than 2
CARBON BLACK	1333-86-4	Less Than 0.1
Regulatory Lists: IARC(Group 2B) IARC(Group 2B) - Category: CARBON BLACK EXTRACTS		

3 HAZARDS IDENTIFICATION

Critical hazards:
Irritant. Dangerous to environment. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4 FIRST-AID MEASURES

Eye Contact:
Flush eyes with large amounts of water. 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 shoes before reuse.

Inhalation:

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

Ingestion:

Do not induce vomiting. Get immediate medical attention. Give victim two glasses of water. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Hazardous Decomposition:

Oxides of Nitrogen, Hydrogen Cyanide, Carbon Monoxide, Carbon Dioxide.

Fire-Fighting Procedures:

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

Special Instructions:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

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. Ventilate the area with fresh air. 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 MSDS. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store away from areas where product may come into contact with food or pharmaceuticals.

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight. Store away from oxidising agents.

Precautions for Safe Handling:
Avoid contact with oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with dust or airborne particles. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields. Indirect vented goggles.

Hand Protection:

The following glove material(s) are recommended:
Polyethylene/ethylene vinyl alcohol. Polyvinyl alcohol.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining. Use water as a lubricant on machining tools to eliminate dust and improve machinability of cured parts. 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 organic vapour cartridges and particulate prefilters.

Ingestion:

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

Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Exposure Limits:

CALCIUM CARBONATE (1317-65-3)

UK HSE TWA: 10 mg/m³ Total inhalable dust; 4 mg/m³ Respirable dust OES

CARBON BLACK (1333-86-4)

UK HSE TWA: 3.5 mg/m³ OES
UK HSE STEL: 7 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: BLACK THIXOTROPIC PASTE,
TYPICAL EPOXY ODOUR.

pH: Not applicable

Boiling point/boiling range: Not applicable

Melting point/melting range: Not determined

Flash point: Not applicable

Autoflammability:	Not applicable
Vapour pressure:	Not applicable
Water Solubility:	Not soluble.
Specific gravity:	1.56
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not determined
Percent Volatile:	1 % by wt

10 STABILITY AND REACTIVITY

Materials to Avoid:
Strong oxidising agents. Heat.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Effects from Inhalation:
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.

Effects from Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

Carcinogenicity:
Contains a chemical or chemicals which can cause cancer.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:
Not determined.

Ecofate Data:
Not determined.

Special statements for 2001/58/EC:
A conservative assessment indicates this product presents a

low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment. Risk for this product has been assigned based on use in a two-part system. Risk does not apply to Part A or B individually.

13 DISPOSAL CONSIDERATIONS

Product as Sold:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

Special Instructions:

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

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN3082

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN3082

Class: 9.0

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(Liquid Epoxy Resin)

ADR/RID CLASSIFICATION:

Class: 9.0

ADR classification: 11 c

ICAO/IATA CLASSIFICATION:

Class: 9.0

Sub-Risk: Not applicable

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(Liquid Epoxy Resin)

15 REGULATORY INFORMATION

Disclosable Ingredients:

PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER;
4,4'-ISOPROPYLIDENEDIPHENOL-EPICHLOROHRIDRIN POLYMER

Symbol(s):

(Xi) St. Andrew's Cross (Irritant). (N) Dangerous to environment.

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. Do not breathe dust. Avoid contact with the skin and eyes. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Avoid release to the environment. Refer to special instructions/safety data sheets. Contains Epoxy Resins. See information supplied by manufacturer.

16 OTHER INFORMATION

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. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Petroleum (Consolidation) Act 1928. The Control of Substances Hazardous to Health Regulations 1999 as amended.

The Special Waste Regulations 1996, as amended. The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

Reissue date/Reason for reissue.

Updated section 9

Intended Use of Product:

Bumper repair material

The information on this 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 UK PLC
3M CENTRE, CAIN RD,
BRACKNELL, BERKSHIRE, RG12 8HT
Tel: 01344 858000

3M IRELAND
3M HOUSE, ADELPHI CENTRE,
DUN LAOGHAIRE, CO. DUBLIN
Tel: 01 2803555

=====

MATERIAL SAFETY DATA SHEET

=====

Document id : 08-7102-0 Issue date : 08/09/2004
Version : 3.00 Supersedes date : 25/03/2003

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M(TM) BUMPER REPAIR MATERIAL 05900 PART A

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
MERCAPTAN POLYMER	---	90.0 - 100.0
2,4,6-TRI(DIMETHYLAMINO-METHYL) PHENOL	90-72-2	1.0 - 5.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (Xn,Xi; R:22-36-38)		
DIMETHYL SILOXANE, REACTION PRODUCT WITH SILICA	67762-90-7	1 - 10

3 HAZARDS IDENTIFICATION

Critical hazards:
May cause eye and skin irritation.

4 FIRST-AID MEASURES

Eye Contact:
Flush eyes with large amounts of water. 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 shoes before reuse.

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

Ingestion:

Do not induce vomiting. Get immediate medical attention. Give victim two glasses of water. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Exposure Hazards:

No unusual fire or explosion hazards are anticipated.

Hazardous Decomposition:

Carbon Monoxide, Carbon Dioxide.

Fire-Fighting Procedures:

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

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

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. Ventilate the area with fresh air. 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 MSDS. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store away from areas where product may come into contact with food or pharmaceuticals.

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight.

Precautions for Safe Handling:

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with dust or airborne particles. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields. Indirect vented goggles.

Hand Protection:

The following glove material(s) are recommended: Butyl rubber.
Polyethylene/ethylene vinyl alcohol. Fluoroelastomer.

Skin Protection:

Avoid skin contact.

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 particulate prefilters.

Ingestion:

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

Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Exposure Limits:

2,4,6-TRI(DIMETHYLAMINO-METHYL) PHENOL (90-72-2)
CMRG TWA Exposure Limit: 5 ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: White trixotropic with mercaptan odour.

pH: Not determined

Boiling point/boiling range: Not determined

Melting point/melting range: Not determined

Flash point: Not determined

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Nil

Specific gravity: 1.16

Vapour density: Not determined

Volatile organic compounds: Not determined

Evaporation rate: Not determined

Viscosity: Not determined

Percent Volatile: 1%

10 STABILITY AND REACTIVITY

Conditions to Avoid:

Heat.

Materials to Avoid:

Hazardous Decomposition:

Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

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

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Effects from Inhalation:

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.

Effects from Ingestion:

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

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

Risk for this product has been assigned based on use in a two-part system. Risk does not apply to Part A or B individually. A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

13 DISPOSAL CONSIDERATIONS

Product as Sold:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

Special Instructions:

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

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: Not restricted for
transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number:

Class:

Packing Group:

Proper Shipping Name:

ADR/RID CLASSIFICATION:

Class:

ADR classification:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

15 REGULATORY INFORMATION

Disclosable Ingredients:

No ingredients required on label

Symbol(s):

Risk Phrases:

Safety Phrases:

Use only in well ventilated areas. Do not breathe dust. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

16 OTHER INFORMATION

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. Carriage of Dangerous Goods by Road

regulations, 1996, as amended.
The Petroleum (Consolidation)
Act 1928.
The Control of
Substances Hazardous to Health
Regulations 1999 as amended.

The Special Waste Regulations
1996, as amended. The
Environmental Protection Act,
1990 The Health and Safety at
Work Act, 1974.

Reissue date/Reason for reissue.

Updated sections 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15

Intended Use of Product:

Bumper repair material.

The information on this 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.