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Medical Emergency Telephone: (519) 451-2500, Ext. 2222
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Material Safety Data Sheet

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Document id : 07-7757-3 Issue date : 2012/12/20
Version : 18.00 Supersedes date : 2012/12/14

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M PREMIUM BODY FILLER GOLD QBA, P.N. 05822 (3 GAL.); 05832 (QUART);
05835 (GAL.); 05839 (3 GAL.); 05840 (5 GAL.); 05841 (5 GAL.)
(INACTIVE)

Product ID:

XS-0414-1179-3 XS-0414-1182-7 XS-0414-1394-8 XS-0414-1395-5
XS-0414-1396-3 XS-0414-1591-9 XS-0414-1593-5 XS-0414-1594-3
XS-0414-1595-0 60-9800-2997-3 60-9800-3169-8 60-9800-3170-6
60-9800-3171-4 60-9800-3172-2 60-9800-3173-0 GZ-7777-0363-2

Intended Use of Product:

This product is a kit or a multipart product which consists of multiple, independently packaged components. An MSDS for each of the WHMIS controlled components is included. An MSDS for non-WHMIS controlled components may also be included. Please do not separate the component MSDSs from this cover page. The document numbers of the MSDSs for components of this product are:

Kit component(s):

07-7755-7 3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 (3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3 GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)
24-7436-9 3M(TM) Red Cream Hardener

Division:

AUTOMOTIVE AFTERMARKET

3M Canada Company

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Material Safety Data Sheet
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Document id : 24-7436-9 Issue date : 2012/12/13
Version : 4.00 Supersedes date : 2009/12/09

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) Red Cream Hardener

Product ID:

41-0003-6561-3 41-0003-6569-6 41-0003-6570-4 41-0003-6571-2

41-0003-6572-0 41-0003-6639-7 41-0003-6641-3 41-0003-6685-0
41-0003-6686-8 41-0003-6687-6 41-0003-6768-4 41-0003-6794-0
41-3701-1487-2 41-3701-1494-8

Intended Use of Product:

Automotive

Division:

BK - Automotive Aftermarket

2 Hazards Identification

Critical Hazards:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

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

May be absorbed following ingestion and cause target organ effects.

Oxidizing material;

Dangerously reactive material;

See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
BENZOYL PEROXIDE	94-36-0	30 - 60
WATER	7732-18-5	10 - 30
BENZOIC ACID, C9-11-BRANCHED ALKYL ESTERS	131298-44-7	10 - 30
ZINC STEARATE	557-05-1	3 - 7
POLYETHYLENE POLYPROPYLENE GLYCOL BUTYL ETHER	9038-95-3	1 - 5
CALCIUM SULFATE	7778-18-9	1 - 5
IRON OXIDE (FE2O3)	1309-37-1	1 - 5

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 30 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point: 111 C Estimated

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not Available

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam). Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and

explode.

Combustion Products from Fire:

Toxic vapours, gases or particulates;

Carbon Monoxide;

Carbon Dioxide;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 1

NFPA: Reactivity 1

NFPA: Unusual Reaction Hazard
oxidizer

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Special Instructions:

Dust clouds of this material in combination with an ignition source may be explosive.

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 vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Dispose of collected material as soon as possible.

Methods for cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. 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 using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container.

Special Instructions:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Accelerators;

Ventilation:

No data available.

Fire Prevention:

No smoking while handling this material. Do not heat under confinement to avoid risk of explosion

Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Static Prevention:

Avoid static discharge.

Use Instructions:

Keep container tightly closed.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

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:

Wear appropriate gloves when handling this material.
The following glove material(s) are recommended:
polyethylene/ethylene vinyl alcohol;
Use an additional glove (e.g. supported PVC or Nitrile) over the PE/EVAL glove, and change the over-glove frequently.

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.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining.
Do not breathe vapours.
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 vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.
Do not ingest.
Keep out of the reach of children.

Recommended Ventilation:

Use in an enclosed process area is recommended.
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 dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

BENZOYL PEROXIDE (94-36-0)
LD50 (rat, oral) 7710 mg/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH-TWA: (Table A4) 5 mg/m3 ACGIH: TWA
WATER (7732-18-5)
LD50 (rat, oral) > 90 ml/kg

3M(TM) Red Cream Hardener Page 6 of 10

LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
BENZOIC ACID, C9-11-BRANCHED ALKYL ESTERS (131298-44-7)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
ZINC STEARATE (557-05-1)
LD50 (rat, oral) > 5 g/kg
LC50 (rat, inhalation/4 hours) 50 mg/l
Exposure Limits
ACGIH: STEL 20 mg/m3 (Particulates not otherwise classified)
ACGIH: TWA 10 mg/m3 as total dust (Table A4) (Particulates not otherwise classified) Category: STEARATES
10 mg/m3
POLYETHYLENE POLYPROPYLENE GLYCOL BUTYL ETHER (9038-95-3)
Specific Ingredient Data
No data available.
LD50 (rat, oral) 20600 mg/kg
LD50 (dermal, rabbit) > 21000 mg/kg
LC50 (rat, inhalation/4 hours) 330 mg/m3 (4 hours)
Exposure Limits

No data available.

CALCIUM SULFATE (7778-18-9)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 10 mg/m3 inhalable fraction; 10 mg/m3 10 mg/m3

IRON OXIDE (FE2O3) (1309-37-1)

LD50 (rat, oral) > 10,000 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 5 mg/m3 (Respirable) (Table A4) 5 mg/m3 ACGIH: TWA; respirable fraction 5 mg/m3 ACGIH: TWA; respirable fraction;

Category: SUPERFINE IRON OXIDE

9 Physical and Chemical Properties

Physical form, Color, Odour: Solid; paste; red; slight ester odour;

Odour Threshold: No data available.

pH: Not Available

Boiling point/boiling range: Not Available

Melting point/melting range: Not Available

Vapour pressure: Not applicable

Water Solubility: Negligible

Partition coefficient (K o/w): Not Available

Specific gravity: 1.2 Water=1 at 25 C

Vapour density: Not applicable

Volatile organic compounds: 0 lb/gal Calculated per SCAQMD Rule 443.1 (Excluding exempt compounds)

Evaporation rate: Not applicable

Viscosity: Not Available

Percent Volatile: 20 % (Water is the volatile component)

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat;

Store out of direct sunlight.

Materials to Avoid:

Accelerators;

Hazardous Decomposition:

Toxic vapours, gases or particulates;

Carbon Monoxide;

Carbon Dioxide;

Stability and Reactivity:

Oxidizing material; Dangerously reactive material; Stable. Stable unless exposed to heat, flames and drying conditions. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Effects from Skin Contact:

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

Mild Skin Irritation: Signs/symptoms can include localized redness,

swelling, and itching.

Effects from Inhalation:

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

Prolonged or repeated exposure may cause:

Pneumoconiosis: Sign/symptoms can include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Effects from Ingestion:

May be absorbed following ingestion and cause target organ effects.

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

Sensitization Information:

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

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

Oxidizing material;

Dangerously reactive material;

Can be fatal if inhaled.

Product Based Information:

No data available.

Other Effects & Information:

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

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

14 Transport Information

Transportation of Dangerous Goods

TDG Classification: Consumer Commodity

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification: Exempt (Consumer Product)

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

CICS - Chinese Inventory of Chemical Substances

TSCA - Toxic Substances Control Act (USA)

DSL - Domestic Substances List (Canada)

KECI - Korean Existing Chemicals Inventory

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Added product id(s) to the MSDS;

Section 2 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

Section 13 - Disposal Considerations;

Section 14 - Transportation Information

Section 15 - Regulatory Information: Product Certifications

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---

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Material Safety Data Sheet

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 (3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3 GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

Product ID:

41-3701-1593-7

Intended Use of Product:

Automotive Body Filler

Division:

AUTOMOTIVE AFTERMARKET

2 Hazards Identification

Critical Hazards:

Flammable liquid and vapour.

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

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

May be absorbed through skin and cause target organ effects.

May be absorbed following inhalation and cause target organ effects.

The product contains quartz silica known to cause silicosis of the lungs under prolonged and repeated inhalation exposure. If grinding is part of the preparation and dust is produced at levels above the recommended guidelines, a half-mask dust respirator should be worn.

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 2 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

TALC (14807-96-6) has been shown to cause fibrosis of the lungs.
May be absorbed following ingestion and cause target organ effects.
WARNING: Contains a chemical which can cause cancer. (14807-96-6)
(IARC human carcinogen 1 - Talc containing asbestiform fibers, IARC
not classifiable 3 - Talc not containing asbestiform fibers, ACGIH
confirmed human carcinogen A1 - Talc containing asbestos fibers,
Calif. Proposition 65 - Talc containing asbestiform fibers)
WARNING: Contains a chemical which can cause cancer. Titanium
Dioxide (CAS 13463-67-7) (IARC human carcinogen 2B).
WARNING: Contains a chemical which can cause cancer. (14808-60-7)
(NTP known human carcinogen, IARC human carcinogen 1, Calif.
Proposition 65)
WARNING: Contains a chemical which can cause cancer. (100-42-5)
(IARC possible human carcinogen 2B)

See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
UNSATURATED POLYESTER RESIN	Trade Secret	10 - 30
TALC	14807-96-6	10 - 30
STYRENE MONOMER	100-42-5	10 - 30
LIMESTONE	1317-65-3	10 - 30
MAGNESIUM CARBONATE	546-93-0	10 - 30
GLASS BUBBLES	65997-17-3	1 - 5
TITANIUM DIOXIDE	13463-67-7	1 - 5
ZINC PHOSPHATE	7779-90-0	0.5 - 1.5
QUARTZ SILICA	14808-60-7	0.1 - 0.5

Ingredient Statements:

This product is to be used with 3M Creme Hardener, P/N 05829, 05830,

NOTE:

UNSATURATED POLYESTER RESIN and POLYESTER RESIN are non-hazardous trade secret materials according to WHMIS criteria. Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 3 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting. If vomiting occurs naturally, have the victim lean forward to reduce the risk of aspiration. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: 31.1 C

Lower Explosive Limit (%): Not available

Upper Explosive Limit (%): Not available

Autoignition temperature: Not available

Suitable Extinguishing Media:

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

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Flammable liquid and

Refer to other sections of this MSDS for information regarding

physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. 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. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 5 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

residue with an appropriate solvent selected by a qualified and authorized 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 metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Store away from strong bases.

Incompatible Materials:

Strong acids;

Strong bases;

Strong oxidizing agents;

Store away from heat;

Store out of direct sunlight.

Storage at elevated temperatures will shorten shelf life.

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material.

Explosion Prevention:

Flammable liquid and vapour. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Static Prevention:

Avoid static discharge.

Use Instructions:

Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with oxidizing agents. Avoid breathing of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not breathe vapours. Do not breathe dust.

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 6 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

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:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyethylene/ethylene vinyl alcohol;

polyvinyl alcohol;

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.

Respiratory Protection:

Avoid breathing 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:

Do not breathe vapours.

Do not breathe dust.

Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

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

Recommended Ventilation:

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 appropriate local exhaust for cutting, grinding, sanding or machining.

Use with appropriate local exhaust ventilation.

Do not use in a confined area or areas with little or no air movement.

Ingredient Exposure Data

UNSATURATED POLYESTER RESIN (Trade Secret)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

TALC (14807-96-6)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 2 mg/m³ (Respirable) (Table A4)

CMRG: TWA 0.5 mg/m³ as respirable dust 2 mg/m³ 0.5 mg/m³

STYRENE MONOMER (100-42-5)

LD50 (rat, oral) 2650 mg/kg

LC50 (rat, inhalation/4 hours) 2770 ppm

Exposure Limits

ACGIH: TWA 20 ppm (Skin contact contributes to exposure) (Table A4)

ACGIH: STEL 40 ppm (Skin contact contributes to exposure) (Table A4)

LIMESTONE (1317-65-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral) 6450 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 10 mg/m³ (Particulates not otherwise classified)

MAGNESIUM CARBONATE (546-93-0)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

GLASS BUBBLES (65997-17-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

3M: TWA 5 mg/m³ (Inhalable fraction) 10 mg/m³ 3M: TWA; as dust;

Comments: nuisance particulate.

TITANIUM DIOXIDE (13463-67-7)

LD50 (rat, oral) > 24000 mg/kg

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 8 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

LC50 (rat, inhalation/4 hours) > 6820 mg/m3

Exposure Limits

ACGIH: TWA 10 mg/m3 (Table A4) (Particulates not otherwise
classified)

CMRG: TWA 5 mg/m3 (as respirable dust)

ZINC PHOSPHATE (7779-90-0)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

QUARTZ SILICA (14808-60-7)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 0.025 mg/m3 (Respirable) (Table A2) 0.025 mg/m3 ACGIH:
TWA; respirable fraction

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; paste; off-white;
styrene odour;

Odour Threshold: No data available.

pH: Not available

Boiling point/boiling range: 145 C (Styrene)

Melting point/melting range: Not available

Vapour pressure: 4.3 mmHg @ 20 C (Styrene)

Water Solubility: Nil

Specific gravity: 1.189 Water=1

Vapour density: 3.6 Air=1 (Styrene)

Volatile organic compounds: 0 gms/liter Calculated per
SCAQMD Rule 443.1 (Excluding
exempt compounds) VOC of

mixed material:
Evaporation rate: Not available
Viscosity: 150,000 centipoise
Percent Volatile: 16.66 % (Excluding exempt
compounds)

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 9 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat; Store out of direct sunlight. Storage at elevated temperatures will shorten shelf life.

Materials to Avoid:

Strong acids; Strong bases; Strong oxidizing agents;

Hazardous Decomposition:

Hydrocarbons;

Carbon Monoxide;

Carbon Dioxide;

Styrene Oxide

Toxic vapours, gases or particulates;

Normal use of this product can generate styrene oxide (CAS No. 96-09-3). Styrene oxide is listed as a Group 2A carcinogen by IARC and is listed as a carcinogen in the California Proposition 65 regulations.

Stability and Reactivity:

Stable. Hazardous polymerization 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.

Prolonged or repeated exposure may cause:

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized

redness, swelling, itching, and dryness.

May be absorbed through skin and cause target organ effects.

Effects from Inhalation:

May be absorbed following inhalation and cause target organ effects.

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

During grinding, scraping, sanding:

Pneumoconiosis: Sign/symptoms can include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

TALC (14807-96-6) has been shown to cause fibrosis of the lungs.

The product contains quartz silica known to cause silicosis of the lungs under prolonged and repeated inhalation exposure. If grinding is part of the preparation and dust is produced at levels above the recommended guidelines, a half-mask dust respirator should be worn.

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 10 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

Effects from Ingestion:

May be absorbed following ingestion and cause target organ effects.

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

Sensitization Information:

No data available.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (100-42-5)
(IARC possible human carcinogen 2B)

WARNING: Contains a chemical which can cause cancer. (14807-96-6)
(IARC human carcinogen 1 - Talc containing asbestiform fibers, IARC
not classifiable 3 - Talc not containing asbestiform fibers, ACGIH
confirmed human carcinogen A1 - Talc containing asbestos fibers,
Calif. Proposition 65 - Talc containing asbestiform fibers)

WARNING: Contains a chemical which can cause cancer. Titanium
Dioxide (CAS 13463-67-7) (IARC human carcinogen 2B).

WARNING: Contains a chemical which can cause cancer. (14808-60-7)
(NTP known human carcinogen, IARC human carcinogen 1, Calif.
Proposition 65)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

Flammable liquid and vapour.

Product Based Information:

No data available.

Other Effects & Information:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure, above recommended guidelines, may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 11 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3
GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Product Packaging:

No data available.

Special Instructions:

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

14 Transport Information

Transportation of Dangerous Goods

TDG Classification: Consumer Commodity

(Classification is for Kit as a whole and does not necessarily apply to the components separately)

Proper Shipping Name: POLYESTER RESIN KIT

Class/Division: 3

UN Number: UN 3269

Packing Group: III

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian

3M(TM) PREMIUM BODY FILLER GOLD QBA, P.N. 05822 Page 12 of 13
(3 GAL.); 05832 (QUART); 05835 (GAL.); 05839 (3 GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)

ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification: B2, D2A, D2B

XS041415919 Exempt
(Consumer Product)

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

NDSL - Non Domestic Substance List

EINECS - European Inventory of Existing Commercial Chemical Substances

KECI - Korean Existing Chemicals Inventory

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Update Tradename (Obsolete product)

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---

GAL.); 05840 (5 GAL.); 05841 (5 GAL.) (INACTIVE)
