

3M Canada Company  
1840 Oxford Street East, Post Office Box 5757  
London, Ontario N6A 4T1  
Medical Emergency Telephone: (519) 451-2500, Ext. 2222  
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

=====

Material Safety Data Sheet

=====

Document id : 08-5631-0 Issue date : 2011/08/30  
Version : 12.00 Supersedes date : 2006/02/07

Copyright, 1997, 3M Canada Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

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

-----

1 Chemical Product and Company Identification

-----

Tradename:

3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM), P.N. 05867, 05868, 05869, 05870, 05871, 05872 (INACTIVE)

Product ID:

41-3701-1592-9

Intended Use of Product:

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.

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

May be absorbed following inhalation and cause target organ effects.

May be absorbed following ingestion and cause target organ effects.

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



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),      Page 2 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

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

TALC (14807-96-6) has been shown to cause fibrosis of the lungs.  
See Sections 7 and 11 for further information.

### 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
TALC	14807-96-6	15 - 40
LIMESTONE	1317-65-3	10 - 30
STYRENE MONOMER	100-42-5	10 - 30
QUARTZ SILICA	14808-60-7	3 - 7
QUATERNARY AMMONIUM COMPOUNDS, BIS (HYDROGENATED TALLOW ALKYL)DIMETHYL, SALTS WITH MONTMORILLONITE	68911-87-5	1 - 5
OXIDE GLASS CHEMICALS	65997-17-3	1 - 5
TRIMETHYLOLPROPANE TRIACRYLATE	15625-89-5	1 - 5
MAGNESIUM CARBONATE	546-93-0	1 - 5
POLYESTER RESIN NEW JERSEY TRADE SECRET REGISTRY #04499600-6382P	Trade Secret	1 - 5
AMORPHOUS SILICA	7631-86-9	1 - 5
ZINC PHOSPHATE	7779-90-0	0.5 1.5

Ingredient Statements:

This product is to be used with 3M Creme Hardener, P/N 05828, 05829, 05830, 05831.

NOTE:

POLYESTER RESIN is a Trade Secret material which is not controlled according to WHMIS criteria.

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:

Flush eyes with large amounts of water for at least 20 minutes or until chemical is removed. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),      Page 3 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

---

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

Instructions for 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

---

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.

#### Combustion Products from Fire:

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.

#### Unusual Fire and Explosion Hazards

None known.

#### Fire Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 3

NFPA: Reactivity 1

NFPA: Unusual Reaction Hazard

none

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



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM), Page 4 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

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.

#### 6 Accidental Release Measures

#### Personal Precautions:

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 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:

No data available.

### Incompatible Materials:

Strong acids; Strong bases; Strong oxidizing agents; Storage at elevated temperatures will shorten shelf life. Store out of direct sunlight.

### Ventilation:

Keep container in well-ventilated area.

### Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes.

### 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. Avoid contact with oxidizing agents.

---

## 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:

The following glove material(s) are recommended: polyvinyl alcohol;

#### Skin Protection:

Avoid skin contact.

#### 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:

Half facepiece air-purifying respirator with organic vapour/acid gas cartridges and P95 particulate prefilters; Half facepiece air-purifying respirator with organic vapor/acid gas cartridges and N95 particulate prefilters Half facepiece air-purifying respirator with organic vapour/acid gas cartridges and P100 particulate prefilters. Half facepiece or fullface air-purifying respirator



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM), Page 6 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

-----

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:

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 mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

-----

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

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)

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)

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/m<sup>3</sup> (Respirable) (Table A2)

QUATERNARY AMMONIUM COMPOUNDS, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL,  
SALTS WITH MONTMORILLONITE (68911-87-5)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM), Page 7 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

-----

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

Exposure Limits

No data available.

OXIDE GLASS CHEMICALS (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 10 mg/m<sup>3</sup> (As dust)

TRIMETHYLOLPROPANE TRIACRYLATE (15625-89-5)

Specific Ingredient Data

No data available.

LD50 (rat, oral) 5190 uL/kg

LD50 (dermal, rabbit) 5170 mg/kg

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

Exposure Limits

AIHA: TWA 1 mg/m<sup>3</sup> (skin contact contributes to exposure)

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.

POLYESTER RESIN NEW JERSEY TRADE SECRET REGISTRY #04499600-6382P (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.

#### AMORPHOUS SILICA (7631-86-9)

Specific Ingredient Data

LC50 (inhalation, rat, dust/1 hour): 1260 - 2830 mg/m3

LD50 (rat, oral) 3160 mg/kg

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

Exposure Limits

CMRG: TWA 3 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.



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

Page 8 of 12

### 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 at 20 C (Styrene)  
Water Solubility: Nil  
Specific gravity: 1.19 Water=1  
Vapour density: 3.6 Air=1 (Styrene)  
Volatile organic compounds: 0 gms/liter VOC of mixed  
material:  
Evaporation rate: Not available  
Viscosity: 224000 - 280000 centipoise  
Percent Volatile: Not applicable

---

## 10 Stability and Reactivity

---

### Conditions to Avoid:

Storage at elevated temperatures will shorten shelf life. Store out of direct sunlight.

### 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.



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),      Page 9 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

---

---

## 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 can include localized redness, swelling, itching, and dryness.

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

May be absorbed through skin and cause target organ effects.

### Effects from Inhalation:

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

During grinding, scraping, sanding:

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

Silicosis: Signs/symptoms can include breathlessness, weakness, chest pain, persistent cough, increased amounts of sputum, and heart disease.

May be absorbed following inhalation and cause target organ effects.

Effects from Ingestion:

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

May be absorbed following ingestion and cause target organ effects.

Sensitization Information:

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

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. (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:

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

Product Based Information:

No data available.

Other Effects & Information:

Central Nervous System (CNS) Depression: Signs/symptoms may include



3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),      Page 10 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

-----

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.

---

## 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. Dispose of empty product containers in a sanitary landfill.

### 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:	Regulated Material.
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.



P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

---

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: B2, D2A, D2B

### 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:

DSL - Domestic Substances List (Canada)

TSCA - Toxic Substances Control Act (USA)

EINECS - European Inventory of Existing Commercial Chemical Substances

---

## 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---

?

3M(TM) ADVANCED LIGHTWEIGHT FILLER ZEBRA(TM),      Page 12 of 12  
P.N. 05867, 05868, 05869, 05870, 05871, 05872  
(INACTIVE)

?