



Safety Data Sheet

Copyright, 2011, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 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.

Document group:	09-3536-1	Version number:	7.02
Revision date:	10/10/2011	Supersedes date:	14/03/2011
Transportation version number:	1.00 (14/03/2011)		

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M Perfect-It III Fine Compound 09375

Product identification numbers

GC-8008-2825-0 GC-8008-5618-6 GC-8008-5619-4 GC-8008-5620-2 GC-8010-4283-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Automotive.

1.3. Details of the supplier of the substance or mixture

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbols None.

Contains:

No ingredients are assigned to the label.

3M Perfect-It III Fine Compound 09375**Risk phrases**

R67 Vapours may cause drowsiness and dizziness.
R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S2 Keep out of the reach of children.

Notes on labelling

R65 is not required on the label due to the product's viscosity.

Nota N applied to CASRN 64742-14-9

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Aluminium oxide (REACH Reg. No.:01-2119529248-35)	1344-28-1	EINECS 215-691-6	30 - 60	STOT RE 2, H373 (Self Classified)
Non-hazardous ingredients	None	EINECS 231-791-2	30 - 60	
Distillates (petroleum), acid-treated light	64742-14-9	EINECS 265-114-7	10 - 25	Nota H,N (EU) Xn:R65; R66; R67 (Self Classified) Nota H,N (CLP) Asp. Tox. 1, H304; STOT SE 3, H336 (Self Classified)
Distillates (petroleum), hydrotreated light	64742-47-8	EINECS 265-149-8	1 - 10	Xn:R65 - Nota 4,H (EU) R66; R67 (Self Classified) Asp. Tox. 1, H304 (CLP) STOT SE 3, H336 (Self Classified)
White mineral oil (petroleum)	8042-47-5	EINECS 232-455-8	1 - 5	Xn:R65 (Self Classified) Asp. Tox. 1, H304 (Self Classified)
Glycerol	56-81-5	EINECS 200-289-5	1 - 5	

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get

medical attention.

Skin contact

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

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

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 detergent and water. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not eat, drink or smoke when using this product. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wash thoroughly after handling.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Aluminium oxide	1344-28-1	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³	
Glycerol	56-81-5	Health and Safety Comm. (UK)	TWA(as mist):10 mg/m ³	

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

The following eye protection(s) are recommended: Indirect vented goggles.

Skin/hand protection

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

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 P2 particulate prefilters.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state

Liquid.

Specific Physical Form:	Thixotropic liquid.
Appearance/Odour	Paraffinic odour; white
pH	7.6 - 8
Boiling point/boiling range	100 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	<i>No data available.</i>
Autoignition temperature	<i>Not applicable.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	133.3 Pa
Relative density	1.04 - 1.06 [<i>Ref Std:WATER=1</i>]
Water solubility	<i>Not applicable.</i>
Vapour density	1 [<i>Ref Std:AIR=1</i>]
Viscosity	28 - 33 Pa-s
Density	1.04 - 1.08 g/ml

9.2. Other information

Volatile organic compounds (VOC) 157.8 g/l [*Details:EU Definition*]

SECTION 10: Stability and reactivity**10.1 Reactivity**

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

High shear and high temperature conditions
Sparks and/or flames.

10.5 Incompatible materials

Alkali and alkaline earth metals.
Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon dioxide.	Not specified.
Carbon monoxide.	Not specified.
Hydrocarbons.	Not specified.
Irritant vapours or gases.	Not specified.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Eye contact

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

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

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. May cause target organ effects after inhalation.

Ingestion

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

Target Organ Effects:

Prolonged or repeated exposure may cause:

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

Toxicological Data

Acute Toxicity

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg	Not classified (0% unknown)
Aluminium oxide			No data available	
Distillates (petroleum), acid-treated light			No data available	
Distillates (petroleum), hydrotreated light			No data available	
White mineral oil (petroleum)			No data available	
Glycerol			No data available	

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available;	Category 3

3M Perfect-It III Fine Compound 09375

		calculated to be mild irritant	
Aluminium oxide		No data available	
Distillates (petroleum), acid-treated light		No data available	
Distillates (petroleum), hydrotreated light		No data available	
White mineral oil (petroleum)		Minimal irritation	Not classified
Glycerol		No data available	

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
Aluminium oxide		No data available	
Distillates (petroleum), acid-treated light		No data available	
Distillates (petroleum), hydrotreated light		No data available	
White mineral oil (petroleum)		Mild irritant	Not classified
Glycerol		No data available	

Skin Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Aluminium oxide		No data available	
Distillates (petroleum), acid-treated light		No data available	
Distillates (petroleum), hydrotreated light		No data available	
White mineral oil (petroleum)		No data available	
Glycerol		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Aluminium oxide		No data available	
Distillates (petroleum), acid-treated light		No data available	
Distillates (petroleum), hydrotreated light		No data available	
White mineral oil (petroleum)		No data available	
Glycerol		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Aluminium oxide		No data available	

3M Perfect-It III Fine Compound 09375

Distillates (petroleum), acid-treated light		No data available	
Distillates (petroleum), hydrotreated light		No data available	
White mineral oil (petroleum)		No data available	
Glycerol		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
Aluminium oxide			No data available	
Distillates (petroleum), acid-treated light			No data available	
Distillates (petroleum), hydrotreated light			No data available	
White mineral oil (petroleum)			No data available	
Glycerol			No data available	

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		No test data available.				Not classified based on component data
Aluminium oxide		No data available				
Distillates (petroleum), acid-treated light		No data available				
Distillates (petroleum), hydrotreated light		No data available				
White mineral oil (petroleum)		No data available				
Glycerol		No data available				

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Aluminium oxide	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Distillates (petroleum), acid-treated light			No data available				
Distillates			No data				

3M Perfect-It III Fine Compound 09375

(petroleum), hydrotreated light			available				
White mineral oil (petroleum)			No data available				
Glycerol			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 2 based on component data
Aluminium oxide	Inhalation	pneumococcosis	May cause damage to organs though prolonged or repeated exposure		NOAEL N/A		Category 2
Distillates (petroleum), acid-treated light			No data available				
Distillates (petroleum), hydrotreated light			No data available				
White mineral oil (petroleum)			No data available				
Glycerol			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Aluminium oxide	Not an aspiration hazard	Not classified
Distillates (petroleum), acid-treated light	Not an aspiration hazard	Not classified
Distillates (petroleum), hydrotreated light	Not an aspiration hazard	Not classified
White mineral oil (petroleum)	Aspiration hazard	Category 1
Glycerol	Not an aspiration hazard	Not classified

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an

3M Perfect-It III Fine Compound 09375

ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

No component test data available.

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations

Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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)

120121	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
120199	Wastes not otherwise specified

SECTION 14: Transportation information

GC-8008-2825-0, GC-8008-5618-6, GC-8008-5619-4, GC-8008-5620-2,
GC-8010-4283-6

Not hazardous for transportation

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

List of relevant R-phrases

R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Revision information:

Revision Changes:

Section 1: Product name was modified.

Risk phrase was modified.

Safety phrase was modified.

Page Heading: Product name was modified.

Section 9: pH information was modified.

Section 1: Product use information was modified.

Section 16: UK disclaimer was modified.

Section 1: Product identification numbers heading was modified.

Section 1: Product identification numbers was modified.

Section 9: Viscosity information was modified.

Section 16: List of relevant R phrase information was modified.

Section 3: Composition/ Information of ingredients table was modified.

Section 9: Boiling point information was modified.

Section 9: Relative density information was modified.

Section 9: Solubility in water text was modified.

Section 12: Contact manufacturer for more detail. was modified.

Section 13: EU waste code (product as sold) information was modified.

Section 12: Acute aquatic hazard information was modified.

Section 12: Chronic aquatic hazard information was modified.

Section 16: Regulations – Inventories – EU ONLY was modified.

Section 1: Address was modified.

Copyright was modified.

Section 9: Flash point information was modified.

Section 9: Melting point information was modified.

Section 9: Flammable limits (LEL) information was modified.

Section 9: Flammable limits (UEL) information was modified.

Section 9: Vapour density value was modified.

Section 9: Vapour pressure value was modified.

Section 9: Density information was modified.

Section 9: Property description for optional properties was modified.

Section 8: Occupational exposure limit table was modified.
Section 8: mg/m³ key was modified.
Aspiration Hazard Table was modified.
Section 11: Acute Toxicity table was modified.
Carcinogenicity Table was modified.
Serious Eye Damage/Irritation Table was modified.
Germ Cell Mutagenicity Table was modified.
Skin Sensitisation Table was modified.
Respiratory Sensitisation Table was modified.
Reproductive Toxicity Table was modified.
Skin Corrosion/Irritation Table was modified.
Target Organs - Repeated Table was modified.
Target Organs - Single Table was modified.
Section 11: Health Effects - Eye information was modified.
Section 11: Health Effects - Skin information was modified.
Section 11: Health Effects - Inhalation information was modified.
Section 11: Health Effects - Other information was modified.
Section 12: No PBT/vPvB information available warning was modified.
Section 6: Accidental release personal information was modified.
Section 6: Accidental release environmental information was modified.
Section 6: Accidental release clean-up information was modified.
Section 7: Precautions safe handling information was modified.
Section 7: Conditions safe storage was modified.
Section 8: Personal Protection - Skin/hand information was modified.
Section 10: Hazardous decomposition or by-products table was modified.
Section 10.1: Reactivity information was modified.
Section 13: Standard Phrase Category Waste GHS was modified.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was modified.
Company logo was added.
Telephone header was added.
Company Telephone was added.
Section 9: Autoignition temperature information was added.
Company Logo was deleted.
Section 8: Personal Protection - Eye information was deleted.

DISCLAIMER: 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.

3M United Kingdom MSDSs are available at www.3M.com/uk