



3M United Kingdom Plc
3M Centre Cain Road
BRACKNELL Berkshire
RG12 8HT

=====
Safety Data Sheet
=====

MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 1 of 13

Copyright, 2010, 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.

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation
3M Perfect-IT III Trizact Compound

3M Product identification numbers

=====
GC-8009-1349-0 | | GC-8009-3435-5 | | |
=====

1.2 Use of substance/preparation
Industrial use.

1.3 Company/undertaking identification

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

2. HAZARDS IDENTIFICATION

Indication of danger

=====
Dangerous to environment.
=====



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
 Supersedes Date 25/11/09 Printed : 13/09/10 Page 2 of 13

3M Perfect-IT III Trizact Compound

R51/53 | Toxic to aquatic organisms. May cause long-term adverse
 | effects in the aquatic environment.

Other hazards

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.

 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nbr	EU Inventory	% by weight	Classification
Water	None		30 - 60	
Aluminium oxide	1344-28-1	EINECS 215-691-6	20 - 30	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EINECS 265-150-3	20 - 30	Carc.Cat.2:R45; Muta.Cat.2:R46; Xn:R65 - Nota 4,H,P (EU)N:R51/53; R66; R67 (3M)
Sorbitan monooleate, ethoxylated	Trade Secret		3 - 7	
White mineral oil (petroleum)	8042-47-5	EINECS 232-455-8	1 - 5	Xn:R65; R53 (3M)

 Please see section 16 for the full text of any risk phrases referred
 to under headings 2 and 3 of this Safety Data Sheet.

 4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption
 that appropriate personal and industrial hygiene practices are

MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 3 of 13

3M Perfect-IT III Trizact Compound

Inhalation

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

Skin contact

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

Eye contact

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

Ingestion

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

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

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

Unsuitable extinguishing media

Special exposure hazards

Combustible liquid and vapour. 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.

Special instructions for firefighters

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 and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 4 of 13

3M Perfect-IT III Trizact Compound

Personal precautions

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 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. Read and follow safety precautions on the solvent label and Safety Data Sheet.

Environmental procedures

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Please observe precautions from other sections of this Safety Data Sheet. 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 using non-sparking tools. Clean up residue with an appropriate organic solvent. Seal the container.

7. HANDLING & STORAGE

7.1 Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material. Avoid inhalation of vapours, mists or spray. Avoid eye contact with vapours, mists, or spray. For industrial or professional use only. Do not breathe dust. Avoid contact with oxidising agents.

7.2 Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 5 of 13

3M Perfect-IT III Trizact Compound

Ingredient	Agency	Limit type	Additional comments
Aluminium oxide	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 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

8.2.1 Occupational exposure controls

Use in an enclosed process area is recommended. 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.

Respiratory protection

Avoid inhalation of vapours, mists or spray. Do not breathe dust. 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.

Consult the current 3M Respiratory Selection Guide for additional information or contact 3M for technical assistance.

Hand protection

Gloves made from the following material(s) are recommended:

Neoprene.

Nitrile rubber.

Eye/face protection

Avoid eye contact with vapours, mists, or spray.

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

Skin protection

Avoid prolonged or repeated skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 6 of 13

3M Perfect-IT III Trizact Compound

appropriate compatible materials.

Ingestion

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

8.2.2 Environmental exposure controls
No data available.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 General information

Physical state	Liquid.
Specific Physical Form:	Paste
Appearance/Odour	Paraffinic odour; white

9.2 Important health safety and environmental information

pH	7 - 8
Boiling point/boiling range	No data available.
Melting point	Not applicable.
Flammability (solid, gas)	Not available.
Explosive properties	Not determined.
Oxidising properties	Not determined.
Flash point	62 °C
Flammable limits - LEL	Not applicable.
Flammable limits - UEL	Not applicable.
Vapour pressure	No data available.
Relative density	1.1 - 1.14 [Ref Std:WATER=1]
Water solubility	No data available.
Partition coefficient:	No data available.

MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 7 of 13

3M Perfect-IT III Trizact Compound

Vapour density | No data available.

Density | 1.1 - 1.14 g/ml
=====

9.3 Other information

Percent volatile | 32.27 %

=====

10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

10.1 Conditions to avoid

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

10.2 Materials to avoid

Alkali and alkaline earth metals.

10.3 Hazardous decomposition products

Substance | Condition

Carbon monoxide. | Not specified.
Carbon dioxide. | Not specified.
Irritant | Not specified.
vapours or gases.

11. TOXICOLOGICAL INFORMATION

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough,



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
 Supersedes Date 25/11/09 Printed : 13/09/10 Page 8 of 13

3M Perfect-IT III Trizact Compound

pain.

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.

May be absorbed following inhalation and cause target organ effects.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May be absorbed following ingestion and cause target organ effects.

Eye contact

Mild eye irritation: Signs/symptoms may include redness, pain and tearing.

Skin contact

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Other health effects

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

Mutagenicity/Genotoxicity

Contains a chemical or chemicals which may interact with genetic material and possibly alter gene expression. Please refer to Section 15 of this Safety Data Sheet for information regarding applicable Notas.

Ingredient	CAS Nbr	Classification	Regulation
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Muta.Cat.2	Annex 1(67/548/EEC)

Carcinogenicity

Contains a chemical or chemicals which can cause cancer. Please refer to Section 15 of this Safety Data Sheet for information regarding applicable Notas.

Ingredient	CAS Nbr	Classification	Regulation
------------	---------	----------------	------------

MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 9 of 13

3M Perfect-IT III Trizact Compound

(petroleum), | | | 1(67/548/EEC)
hydrotreated heavy | | |
=====

12. ECOLOGICAL INFORMATION

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

12.1 Ecotoxicity

No product test data available.
No component test data available.

12.2 Mobility

Please contact 3M for more details.

12.3 Persistence and degradability

No test data available.

12.4 Bioaccumulative potential

No test data available.

12.5 Results of PBT assessment

No data available at this time, contact 3M for more details.

12.6 Other adverse effects

No information available.



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
 Supersedes Date 25/11/09 Printed : 13/09/10 Page 10 of 13

3M Perfect-IT III Trizact Compound

 13. DISPOSAL CONSIDERATIONS

Waste disposal method: Incinerate in an industrial or commercial facility. 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

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

 14. TRANSPORTATION INFORMATION

Please refer to the end of this document for transportation information.

 15. REGULATORY INFORMATION

Symbols

=====
 N | Dangerous to environment.
 =====

Contains:

No ingredients are assigned to the label.

MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
 Supersedes Date 25/11/09 Printed : 13/09/10 Page 11 of 13

3M Perfect-IT III Trizact Compound

```

=====
R67      | Vapours may cause drowsiness and dizziness.
-----
R66      | Repeated exposure may cause skin dryness or cracking.
-----
R51/53   | Toxic to aquatic organisms. May cause long-term adverse
          | effects in the aquatic environment.
=====
  
```

Safety phrases

```

=====
S23A     | Do not breathe vapour.
-----
S24      | Avoid contact with skin.
-----
S62      | If swallowed, do not induce vomiting: Seek medical
          | advice immediately and show this container or label.
-----
S29      | Do not empty into drains.
-----
S61      | Avoid release to the environment. Refer to special
          | instructions/safety data sheets.
-----
S2       | Keep out of the reach of children.
=====
  
```

Special provisions concerning the labelling of certain substances

Notes on labelling

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

Nota P applied to CAS 64742-48-9

16. OTHER INFORMATION

List of relevant R-phrases

```

=====
R45      | May cause cancer.
-----
R46      | May cause heritable genetic damage.
-----
R51/53   | Toxic to aquatic organisms. May cause long-term adverse
          | effects in the aquatic environment.
-----
R53      | May cause long-term adverse effects in the aquatic
  
```



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 12 of 13

3M Perfect-IT III Trizact Compound

R65 | Harmful: May cause lung damage if swallowed.

R66 | Repeated exposure may cause skin dryness or cracking.

R67 | Vapours may cause drowsiness and dizziness.
=====

Restrictions on use

For industrial or professional use only.

Global inventory status
Contact 3M for more information.

Revision information:
No revision information is available.

DISCLAIMER: The information on this Safety Data Sheet is based on 3M's experience and is correct to the best of 3M's knowledge at the date of publication. 3M does not accept 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.



MSDS ID 16-6270-9 Release Date: 13/09/10 Version : 014.00
Supersedes Date 25/11/09 Printed : 13/09/10 Page 13 of 13

3M Perfect-IT III Trizact Compound

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

ANNEX: Transport information as per paragraph 14 of the MSDS

Major change to the transportation information.

GC-8009-1349-0, GC-8009-3435-5

ADR/RID

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. LIMITED QUANTITY
(CONTAINS HYDROTREATED HEAVY NAPHTHA (PETROLEUM)), 9., III, (--), M6

IMDG-CODE

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)), 9., III, Marine Pollutant
(HYDROTREATED HEAVY NAPHTHA (PETROLEUM)), limited quantity

ICAO/IATA

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)), 9., III, fish and tree marking
required

