



Safety Data Sheet

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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 50417 Fast Cut Plus

3M Product identification numbers

GC-8010-2249-9 GC-8010-2861-1 GC-8010-2862-9

1.2 Use of substance/preparation

Polish for use with the appropriate compounding buffs and rotary polisher in the removal of finer sanding scratches during rectification of automotive refinish clear coat paint.

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

Risk phrases

R67 Vapours may cause drowsiness and dizziness.
 R66 Repeated exposure may cause skin dryness or cracking.
 R52/53 Harmful 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	7732-18-5	EINECS 231-	30 - 40	

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		791-2		
Aluminum Oxide	1344-28-1	EINECS 215-691-6	30 - 40	
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	EINECS 265-185-4	10 - 20	Carc.Cat.2:R45; Muta.Cat.2:R46; Xn:R65 - Nota 4,H,P (EU) N:R51/53; R10 (Vendor) R66; R67 (3M)
Distillates (petroleum), hydrotreated light	64742-47-8	EINECS 265-149-8	1 - 10	Xn:R65 - Nota 4,H (EU) R66; R67 (3M) N:R51/53 (Concawe no. 01/54)
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	EINECS 265-198-5	1 - 5	Xn:R65 - Nota 4,H (EU) N:R50/53; R66; R67 (3M)
White mineral oil (petroleum)	8042-47-5	EINECS 232-455-8	1 - 5	Xn:R65; R53 (3M)
Sorbitan monooleate, ethoxylated	9005-65-6		1 - 5	

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 followed.

Inhalation

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

Skin contact

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Eye contact

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

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

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

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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.

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 closed 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 solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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. Avoid inhalation of vapours, mists or spray. Keep out of the reach of children. Avoid breathing of dust created by cutting, sanding, grinding or machining. 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

Ingredient	Agency	Limit type	Additional comments
Aluminum 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 Exposure controls

8.2.1 Occupational exposure controls

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use in a well-ventilated area. If exhaust ventilation is not available, use appropriate respiratory protection. 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. 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

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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:

Butyl rubber.

Nitrile Rubber

Eye/face protection

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

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.

Ingestion

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

8.2.2 Environmental exposure controls

No data available.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 General information

Physical state	Liquid.
Appearance/Odour	White liquid; Paraffinic odour.

9.2 Important health safety and environmental information

pH	7 - 9
Boiling point/boiling range	> 65 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not available.
Explosive properties	Not determined.
Oxidising properties	Not determined.
Flash point	≥65 °C [<i>Test Method</i> :Pensky-Martens Closed Cup]
Flammable limits - LEL	<i>No data available.</i>
Flammable limits - UEL	<i>No data available.</i>
Vapour pressure	<i>No data available.</i>
Relative density	1.25 [<i>Ref Std</i> :WATER=1]
Water solubility	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>Not applicable.</i>
Vapour density	<i>No data available.</i>
Viscosity	30 - 45 Pa-s
Density	1.25 g/ml

9.3 Other information

Volatile organic compounds (VOC)	277 g/l
Percent volatile	28 %
VOC less H₂O & exempt solvents	26 %

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.
Strong oxidising agents.

10.3 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Hydrocarbons.	Not specified.
Carbon monoxide.	Not specified.
Carbon dioxide.	Not specified.

11. TOXICOLOGICAL INFORMATION

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 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.

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	Muta.Cat.2	Annex I(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

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regarding applicable Notas.

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	Carc.Cat.2	Annex 1(67/548/EEC)

12. ECOLOGICAL INFORMATION

A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.

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.

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)

- 120109* Machining emulsions and solutions free of halogens
- 161001* Aqueous liquid wastes containing dangerous substances

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

14.

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Not hazardous for transportation

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TRANSPORTATION INFORMATION

GC-8010-2249-9, GC-8010-2861-1, GC-8010-2862-9

Not hazardous for transportation

GC-8010-2249-9, GC-8010-2861-1, GC-8010-2862-9

Not hazardous for transportation

GC-8010-2249-9, GC-8010-2861-1, GC-8010-2862-9

Not hazardous for transportation

15. REGULATORY INFORMATION

Symbols None

Contains:

No ingredients are assigned to the label.

Risk phrases

R67	Vapours may cause drowsiness and dizziness.
R66	Repeated exposure may cause skin dryness or cracking.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S23A	Do not breathe vapour.
S22	Do not breathe dust.
S24	Avoid contact with skin.
S62	If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
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 64742-82-1

16. OTHER INFORMATION

List of relevant R-phrases

R10	Flammable.
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R45	May cause cancer.
R46	May cause heritable genetic damage.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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 environment.
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

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.

3M Safety Data Sheets are available at www.3M.com/msds