



Safety Data Sheet

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Document group:	16-2070-7	Version number:	7.00
Revision date:	28/02/2011	Supersedes date:	23/12/2010
Transportation version number:	1.01 (23/12/2010)		

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

Fluid in 3M(TM) Scotch(R) Easy Clean Pen 6042

3M Product identification numbers

DE-2729-3855-1 DS-2729-9083-1

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

Identified uses

Adhesive Remover

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

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

Flammable Liquid: Category 3.

Skin Corrosion/Irritation: Category 2.

Skin Sensitizer: Category 1.

Acute Aquatic Toxicity: Category 1.

Chronic Aquatic Toxicity: Category 1.

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

Indication of danger

Dangerous to environment.

Irritant.

Flammable

Sensitising

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING!

Symbols:

GHS02 (Flame) | GHS07 (Exclamation mark) | GHS09 (Environment) |

Pictograms



HAZARD STATEMENTS:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 All or part of the classification is based on toxicity test data.
P280E Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P370 In case of fire:
P378B Use a carbon dioxide extinguisher for extinction.
P378C Use a dry chemical extinguisher for extinction.

Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Fluid in 3M(TM) Scotch(R) Easy Clean Pen 6042

Ingredients required per 648/2004: >30% aliphatic hydrocarbons. Contains: d-Limonene, linalool.

For containers <125 mL, label with GHS02, GHS07, GHS09; Warning: H317; P102-261-280E-333+313

Article 29 exemption: Where the packaging is so small that it is impossible to include the information provided above, the label on the inner packaging must contain the hazard pictograms (GHS02, GHS07, GHS09), product identifier, and name and telephone number of the supplier.

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

Xi Irritant.
N Dangerous to environment.

Contains:

(R)-p-mentha-1,8-diene (EC Nbr:227-813-5)

Risk phrases

R10 Flammable.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S2 Keep out of the reach of children.

Notes on labelling

Updated per Regulation (EC) 648/2004 on detergents.

Ingredients required per 648/2004: >30% aliphatic hydrocarbons. Contains: d-Limonene, linalool.

For containers <125 mL, use Xi, N, R43-50/53 and S24-37-61-2.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
(R)-p-mentha-1,8-diene	5989-27-5	EINECS 227-813-5	95 100	Xi:R38; N:R50/53; R43; R10 - Nota C (EU) Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Acute 1 + Aquatic Chronic 1,

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

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Inhalation

No need for first aid is anticipated.

If swallowed

No need for first aid is anticipated.

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 flammable liquids or gases such as dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Evacuate area. 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.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with detergent and water. Collect as much of the spilled material as possible. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Seal the container. Place in a metal container approved for transportation by appropriate authorities.

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

Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Wear low static or properly grounded shoes. Keep out of reach of children. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store away from acids. 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

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2. Exposure controls

8.2.1. Engineering controls

Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Wear protective gloves and eye/face protection.

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

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

Neoprene.

Nitrile rubber.

Respiratory protection

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half face piece or full face air-purifying respirator with organic vapour cartridges.

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

Physical state	Liquid.
Appearance/Odour	colourless to light yellow, citrus odour
pH	7 [Details:CONDITIONS: 5% solution in water]
Boiling point/boiling range	171.1 - 188.9 °C
Melting point	Not applicable.
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	47.2 °C [Test Method:Pensky-Martens Closed Cup]
Flammable Limits(LEL)	0.7 % [Details:CONDITIONS: @150 C]
Flammable Limits(UEL)	± 6.1 % [Details:CONDITIONS: @262 C]
Vapour pressure	<=266.6 Pa
Relative density	± 0.84 Units not available or not applicable. [Ref Std:WATER=1]
Water solubility	Nil
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	<=1 [Ref Std:BUOAC=1]
Vapour density	>=1 [Ref Std:AIR=1]
Viscosity	± 0.001 Pa-s
Density	0.84 g/ml

9.2. Other information

Hazardous air pollutants	0 % weight [Test Method:Calculated]
Volatile organic compounds (VOC)	840 g/l [Test Method:calculated SCAQMD rule 443.1] [Details:low solids less exempts]
Volatile organic compounds (VOC)	7.01 lb/gal [Test Method:calculated SCAQMD rule 443.1] [Details:low soldis less exempts]
Percent volatile	100 % weight
VOC less H2O & exempt solvents	100.0 % [Test Method:calculated per CARB title 2]
Solids content	0 %

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

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Temperatures above the boiling point.

10.5 Incompatible materials

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon dioxide.	Oxidation, heat or reaction
Carbon monoxide.	Oxidation, heat or reaction
Hydrocarbons.	Oxidation, heat or reaction
Irritant vapours or gases.	Oxidation, heat or reaction

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

Contact with the eyes during product use is not expected to result in significant irritation.

Skin contact

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

Prolonged or repeated exposure may cause:

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

Inhalation

No health effects are expected.

Ingestion

No health effects are expected.

Toxicological Data

Acute Toxicity

Fluid in 3M(TM) Scotch(R) Easy Clean Pen 6042

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5000 mg/kg	Not classified (% unknown)
(R)-p-mentha-1,8-diene	Dermal	Rabbit	LD50 > 5000 mg/kg	Not classified
(R)-p-mentha-1,8-diene	Ingestion	Rat	LD50 4400 mg/kg	Category 5

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be irritant	Category 2
(R)-p-mentha-1,8-diene		Mild irritant	Category 3

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
(R)-p-mentha-1,8-diene		Moderate irritant	Category 2B

Skin Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Category 1 based on component data
(R)-p-mentha-1,8-diene		Sensitising	Category 1

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
(R)-p-mentha-1,8-diene		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.	
(R)-p-mentha-1,8-diene	In Vitro	Not mutagenic	Not classified

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
(R)-p-mentha-1,8-diene	Ingestion		Some positive data exist, but the data are not sufficient for classification	Not classified

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
(R)-p-mentha-1,8-diene	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL 591 mg/kg/day		

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Not classified based on component data
(R)-p-mentha-1,8-diene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
(R)-p-mentha-1,8-diene	Ingestion	central nervous system depression	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified

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.				Not classified based on component data
(R)-p-mentha-1,8-diene	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 30 mg/kg/day		Not classified
(R)-p-mentha-1,8-diene	Ingestion	immune system	Some positive data exist, but the data are not sufficient for classification		LOEL 84 mg/kg/day		Not classified
(R)-p-mentha-1,8-diene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 75 mg/kg/day		Not classified

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
(R)-p-mentha-1,8-diene	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 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:**

GHS Acute 1: Very toxic to aquatic life.

Chronic aquatic hazard:

GHS Chronic 1: Very toxic to aquatic life with long lasting effects.

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 3M for more details.

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact 3M 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

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

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)

20 01 29* Detergents containing dangerous substances

SECTION 14: Transportation information

DE-2729-3855-1

ADR/RID: UN2319, TERPENE, HYDROCARBONS, N.O.S., LIMITED QUANTITY, 3., III, (D/E), ADR Classification Code: F1.

IMDG-CODE: UN2319, TERPENE HYDROCARBONS, N.O.S., 3., III, LIMITED QUANTITY, EMS: FE,SD.

ICAO/IATA: DANGEROUS GOODS IN EXCEPTED QUANTITIES OF CLASS 3,UN2319.

DS-2729-9083-1

ADR/RID: UN2319, TERPENE, HYDROCARBONS, N.O.S., LIMITED QUANTITY, 3., III, (D/E), ADR Classification Code: F1.

IMDG-CODE: UN2319, TERPENE HYDROCARBONS, N.O.S., 3., III, LIMITED QUANTITY, Marine Pollutant, (CITRUS EXTRACT), EMS: FE,SD.

ICAO/IATA: DANGEROUS GOODS IN EXCEPTED QUANTITIES OF CLASS 3,UN2319.

SECTION 15: Regulatory information

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

Carcinogenicity

Ingredient

(R)-p-mentha-1,8-diene

CAS Nbr

5989-27-5

Classification

Gr. 3: Not classifiable

Regulation

International Agency
for Research on Cancer

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the China 36 Measures on Environmental Management of New Chemical Substance³⁶. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969

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requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

List of ingredients according to Annex VII D of the regulation on detergents 648/2004/EC

The following information is provided per Regulation EC No. 648/2004 on Detergents:

d-Limonene
Linalool

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

List of relevant R-phrases

R10	Flammable.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Revision information:

Revision Changes:

Supersedes date text was modified.

Section 2: Label ingredient information was modified.

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

Section 2: EU Detergent Regulation label remarks was modified.

Copyright was modified.

Section 15: Ingredient information per Regulation EC No. 648/2004 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 6: Accidental release personal information was modified.

Section 15: Carcinogenicity heading was added.

Section 15: Carcinogenicity information was added.

Section 15: Carcinogenicity table Regulation column heading was added.

Section 15: Carcinogenicity table Ingredient column heading was added.

Section 15: Carcinogenicity table CAS No column heading was added.
Section 15: Carcinogenicity table Classification column heading was added.
Section 12: Acute aquatic hazard information was added.
Section 12: Chronic aquatic hazard heading was added.
Section 12: Acute aquatic hazard heading was added.
Section 12: Chronic aquatic hazard information was added.
Section 2: Notes on labelling heading was added.
Prints No Data if Component ecotoxicity information is not present was added.
Prints No Data if Persistence and Degradability information is not present was added.
Prints No Data if Bioaccumulative potential information is not present was added.
Section 15: Label remarks and EU Detergent was added.
Section 15: Ingredient information per Regulation EC No. 648/2004 heading was added.
Section 3: Ingredient phrase was deleted.
Section 12: Component ecotoxicity information was deleted.
Section 12: Persistence and Degradability information was deleted.
Section 12: Bioaccumulative potential information was deleted.
Section 12: Component Ecotoxicity table Material column header was deleted.
Section 12: Component Ecotoxicity table CAS No column header was deleted.
Section 12: Component Ecotoxicity table Organism column header was deleted.
Section 12: Component Ecotoxicity table Type column header was deleted.
Section 12: Component Ecotoxicity table Exposure column header was deleted.
Section 12: Component Ecotoxicity table End point column header was deleted.
Section 12: Component Ecotoxicity table Result column header was deleted.
Section 12: Persistence and degradability table Material column header was deleted.
Section 12: Persistence and degradability table CAS No column header was deleted.
Section 12: Persistence and degradability table Test Type column header was deleted.
Section 12: Persistence and degradability table Duration column header was deleted.
Section 12: Persistence and degradability table Test Result column header was deleted.
Section 12: Persistence and degradability table Protocol column header was deleted.
Section 12: Bioaccumulative potential table Material column header was deleted.
Section 12: Bioaccumulative potential table CAS No column header was deleted.
Section 12: Bioaccumulative potential table CAS No column header was deleted.
Section 12: Bioaccumulative potential table Test Result column header was deleted.
Section 12: Bioaccumulative potential table Protocol column header was deleted.
Section 12: Bioaccumulative potential table Test Type column header was deleted.
Label: Ingredients - Header was deleted.
CLP: Ingredient table was deleted.
Label: CLP Ingredients table Ingredient heading was deleted.
Label: CLP Ingredients table CAS No heading was deleted.
Label: CLP Ingredients table Percent by Wt heading was deleted.
Section 12: Persistence and degradability table Study Type column header was deleted.
Section 12: Bioaccumulative potential table Test Type column header was deleted.

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