

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

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Safety Data Sheet  
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MSDS ID 11-5833-6 Release Date: 07/12/09 Version : 018.05  
Supersedes Date 07/12/09 Printed : 07/12/09 Page 1 of 12

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING  
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1.1 Tradename:

3M Scotch-Weld Cleaner Spray 50098, Citrus Based

1.2 Intended Use of Product:

Professional cleaner spray for cleaning and degreasing. Removes most dried non-curing adhesives, tape and tape residue.

1.3 3M Product ID:

GS-2000-3542-5, GT-5000-6941-1, GS-2000-4146-4, GS-2000-4147-2,  
GS-2000-3573-0, GS-2000-3537-5, GS-2000-3541-7, GS-2000-3540-9,  
GS-2000-3539-1, GS-2000-3538-3, GS-2000-3524-3, GS-2000-3523-5,  
GS-2000-3522-7, GS-2000-3521-9

1.4 Contact Address:

3M United Kingdom PLC	3M Ireland Ltd.
3M Centre, Cain Road,	The Iveagh Building, The Park
Bracknell, Berkshire, RG12 8HT	Carrickmines, Dublin 18

1.5 E-mail Address and Emergency Contact Number:

tox.uk@mmm.com  
+44 (0)1344 858 000

2 HAZARDS IDENTIFICATION

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Risk Phrases:

- R12 Extremely flammable.  
 R38 Irritating to skin.  
 R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
- 3M Contains D-limonene.  
 3M May produce an allergic reaction.

3 COMPOSITION/INFORMATION ON INGREDIENTS  
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Ingredient name and classification	CAS number	Percentage
D-Limonene EU Number: EINECS 227-813-5 EU Classification: R10; Xi: R38; R43; N: R50-53 EU Nota: C	5989-27-5	70 - 80
Propane EU Number: EINECS 200-827-9 EU Classification: F+: R12	74-98-6	10 - 20
Non-Ionic Surfactant Blend	Trade Secret	5 - 15

## Ingredients as per Regulation (EC) on Detergents 2004/648:

D-Limonene	5989-27-5	>10%
Propane (Propane)	74-98-6	>10%
\$2-(2-Methoxymethylethoxy)methylethoxy!propanol	25498-49-1	1-10%
Nonionic surfactant	Trade Secret	1-10%

4 FIRST-AID MEASURES  
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## 4.1 Eye Contact:

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

#### 4.2 Skin Contact:

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

#### 4.3 Inhalation:

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

#### 4.4 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

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### 5.1 Suitable Extinguishing Media:

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

### 5.2 Unsuitable Extinguishing Media:

Not specified.

### 5.3 Exposure 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.

### 5.4 Combustion Products from Fire:

Not determined.

### 5.5 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. Water may be used to blanket the fire. Wear full protective equipment and a self-contained breathing apparatus.

### 5.6 Special Instructions:

Aerosol container contains flammable material under pressure.

## 6 ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal Precautions:

Refer to other sections of this Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2 Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools.

Ventilate the area with fresh air.

Evacuate unprotected and untrained personnel from hazard area.

The spill should be cleaned up by qualified personnel.

Contain spill.

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available.

Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended.

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.

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 detergent and 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.

### 6.3 Special Instructions:

In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

## 7 HANDLING AND STORAGE

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### 7.1 Precautions for Safe Handling:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not pierce or burn container, even after use. Avoid inhalation of vapours, mists or spray. Avoid eye contact with vapours, mists, or spray. Vapours may ignite explosively. May cause flash fire. Prevent build-up of vapours - open all windows and doors. Maintain vapour concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapours may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc. For industrial or professional use only.

#### - Fire Prevention:

Do not spray near flames or sources of ignition. Aerosol container contains flammable gas under pressure. Extremely flammable liquid and vapour.

#### - Static Prevention:

Avoid static discharge.

### 7.2 Precautions for Safe Storage:

#### - Ventilation:

Keep container in a well-ventilated area.

#### - Incompatible Materials/Conditions:

Store away from acids.

Store away from heat.

Store out of direct sunlight.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Recommended Ventilation:

Use in an enclosed process area is recommended. Do not use in a confined area or areas with little or no air movement. 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.

### 8.2 Exposure Limits:

### 8.3 Exposure Controls:

#### 8.3.1 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.

#### 8.3.2 Hand Protection:

The following glove material(s) are recommended: Nitrile rubber. Polyvinyl alcohol. Fluoroelastomer.

#### 8.3.3 Skin Protection:

Avoid skin contact.

#### 8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

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.

#### 8.3.5 Ingestion:

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

## 9 PHYSICAL AND CHEMICAL PROPERTIES

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- Appearance and Odour: Clear, pale yellow liquid with a sweet citrus odour in aerosol container.
- pH: Not determined
- Boiling point/boiling range:  $\leq 20.0$  °C
- Melting point/melting range: Not applicable
- Flash point: -46 °C (CC)
- Autoflammability: Not determined
- Flammable Limits - LEL: Not determined
- Flammable Limits - UEL: Not determined
- Vapour pressure: Not determined
- Water Solubility: Slight
- Specific gravity: 0.77 (Water=1)
- Vapour density: Not determined
- Volatile organic compounds: 741 g/l (SCAQMD 443.1 calculated)
- Evaporation rate: Not determined
- Viscosity: Not applicable
- Percent Volatile: 90 - 100 %

## 10 STABILITY AND REACTIVITY

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### 10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

## 10.2 Conditions to Avoid:

Heat.  
Sparks and/or flames.

## 10.3 Materials to Avoid:

None known.

## 10.4 Hazardous Decomposition:

Hydrocarbons - During Combustion.  
Carbon monoxide - During Combustion.  
Carbon dioxide - During Combustion.

# 11 TOXICOLOGICAL INFORMATION

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## 11.1 Effects from Eye Contact:

- Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

## 11.2 Effects from Skin Contact:

- Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

## 11.3 Effects from Inhalation:

- Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.  
- Intentional concentration and inhalation may be harmful or fatal.

## 11.4 Effects from Ingestion:

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

## 11.5 Other Effects and Information:

# 12 ECOLOGICAL INFORMATION

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## 12.1 Environmental Data:

Not determined.



## 12.2 Mobility in Soil and Water:

Not determined.

## 12.3 Persistence/Biodegradability:

The components labelled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments. The components labelled 'partially biodegradable' are not readily biodegradable but are partially degraded in ready biodegradation tests. BOWIN, a model developed by Syracuse Research Corporation, indicates the components labeled 'BOWIN readily' are likely to be readily biodegradable. Biodegradation is expected to be complete in wastewater treatment and rapid in the environment. (3M ranks biodegradability on BOWIN linear & non-linear probabilities: 'Readily' biodegradable - both >0.60; 'Inherently' - both >0.40 & one or both <0.60; 'Unreliable' - one <0.40 & the other >0.60; 'Non or slowly' - one or both <0.40 & both <0.60.) The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

## 12.4 Bioaccumulation Potential:

The components labelled 'Log Kow <3' have measured or calculated log Kow values <3 indicating they are unlikely to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues. The components labelled 'Log Kow > or = 3' have measured or calculated log Kow values of > or = 3 indicating they have a potential to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues.

## 12.5 Ecotoxicity Data:

There is insufficient component information to calculate the ecotoxicity of this product. There is insufficient component information to calculate the wastewater treatment system effects of this product. The components labelled 'No information' have no environmental fate and effects data available. Not determined.

## 12.6 Ecofate Data:

Not determined.

## 12.7 Special statements for 2001/58/EC:

**LABELLED COMPONENTS:** No information: Non-ionic Surfactant Blend (Trade Secret) Readily Biodegradable: Propane (74-98-6) Partially Biodegradable: Tripropylene Methyl Ether (25498-49-1) BOWIN

Readily: D-Limonene (5989-27-5) Log Kow <3: Tripropylene Methyl Ether (25498-49-1) Log Kow >3: D-Limonene (5989-27-5)

## 13 DISPOSAL CONSIDERATIONS

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### 13.1 Product as Sold:

Incinerate in a permitted hazardous waste incinerator.  
The facility should be equipped to handle gaseous waste.  
Facility must be capable of handling aerosol cans.  
Dispose of empty product containers in a sanitary landfill.

### 13.2 Product in Use:

Not determined.

### 13.3 Product after Use:

Not determined.

### 13.4 Product Packaging:

Not determined.

### 13.5 Potential for Recycling:

Not determined.

### 13.6 Special Instructions:

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

## 14 TRANSPORT INFORMATION

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### Transport Details:

Please see the Annex to this document in which all transportation information is given.

## 15 REGULATORY INFORMATION

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Label Version Number:

009.03

Symbol(s):

F+ Extremely flammable.  
Xi Irritant.  
N Dangerous to environment.

Risk Phrases:

R12 Extremely flammable.  
R38 Irritating to skin.  
R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.  
  
3M Contains D-limonene.  
3M May produce an allergic reaction.

Safety Phrases:

S2 Keep out of the reach of children.  
S16 Keep away from sources of ignition - No Smoking.  
S23C Do not breathe vapour or spray.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S51 Use only in well ventilated areas.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.  
3M WARNING| Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

Disclosable Ingredients:

No ingredients required on the label.

Product Certifications:

EINECS.

16 OTHER INFORMATION

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#### 16.1 Complete list of risk phrases:

- R10 Flammable.
- R12 Extremely flammable.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R50 Very toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.

#### 16.2 Limitations on Use of Product:

For industrial or professional use only.

#### 16.3 Reissue date/Reason for reissue:

Updated section 3.

#### 16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended;

The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended;

The Control of Substances Hazardous to Health Regulations 1999 as amended;

The Special Waste Regulations 1996, as amended;

The Environmental Protection Act, 1990, as amended;

The Health and Safety at Work Act, 1974, as amended.

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.

ANNEX: Transport information as per paragraph 14 of the MSDS

Minor change to the transportation information.

GS-2000-3537-5

ADR/RID

UN1950 AEROSOLS, LIMITED QUANTITY, 2.1, (D), 5F

IMDG-CODE

UN1950 AEROSOLS (NOT APPLICABLE), 2.1 , Marine Pollutant ( D-LIMONENE )  
limited quantity

ICAO/IATA

UN1950 AEROSOLS, FLAMMABLE, 2.1