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 SAFETY DATA SHEET
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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Tradename:
 3M 08631 Glass Cleaner
- 1.2 Intended Use of Product:
 Glass cleaner for use in automotive applications.
- 1.3 3M Product ID:
 GS-2000-3136-6, GS-2000-2723-2, GS-2000-3135-8, GS-2000-3134-1
- 1.4 Contact Address:
 3M UK PLC 3M Ireland
 3M Centre, Cain Road, 3M House, Adelphi Centre,
 Bracknell, Berkshire, RG12 8HT Dun Laoghaire, Co. Dublin
- 1.5 E-mail Address and Emergency Contact Number:
 tox.uk@mmm.com
 +44 (0)1344 858 000

2 HAZARDS IDENTIFICATION

Risk Phrases:
 None.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Water	7732-18-5	80 - 90
EU Number: EINECS 231-791-2		
2-Butoxyethanol	111-76-2	1 - 10
EU Number: EINECS 203-905-0		
EU Classification: Xn: R20/21/22; Xi: R36/38		
Isobutane	75-28-5	1 - 5
EU Number: EINECS 200-857-2		
EU Classification: F+: R12		
EU Nota: C		
Butane	106-97-8	1 - 5
EU Number: EINECS 203-448-7		
EU Classification: F+: R12		
EU Nota: C		
Propane	74-98-6	1 - 5
EU Number: EINECS 200-827-9		
EU Classification: F+: R12		

Ingredients on the European Detergents Directive 2004/648/CE:
 Aqua Water 7732-18-5 >10%
 Butoxyethanol 2-Butoxyethanol 111-76-2 1-10%

Isobutane	75-28-5	1-10%
Propane	74-98-6	1-10%
Butane	106-97-8	1-10%
Ammonium hydroxide	1336-21-6	0.1-1%
C9-11 pareth-3 Ethoxylated C9-11 alcohols	68439-46-3	<0.1%

4 FIRST-AID MEASURES

- 4.1 Eye Contact:
Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
- 4.2 Skin Contact:
Wash affected area with soap and water. If signs/symptoms develop, get medical attention.
- 4.3 Inhalation:
Remove person to fresh air. If signs/symptoms develop, get medical attention.
- 4.4 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

- 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.
- 5.4 Combustion Products from Fire:
Not determined.
- 5.5 Fire-Fighting Procedures:
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

- 6.1 Personal Precautions:
Please observe precautions from other sections of this MSDS.
- 6.2 Methods for Cleaning up:
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.
Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

Clean up residue.
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.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid inhalation of vapours, mists or spray. Avoid eye contact with vapours, mists, or spray. Do not pierce or burn container, even after use.

- Fire Prevention:

No smoking while handling this material. Do not spray near flames or sources of ignition. Aerosol container contains flammable gas under pressure.

- Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

7.2 Precautions for Safe Storage:

Do not store containers on their sides.

- Incompatible Materials/Conditions:

Store away from heat.
Store out of direct sunlight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

Use in a well-ventilated area. Do not remain in area where available oxygen may be reduced.

8.2 Exposure Limits:

2-Butoxyethanol (111-76-2)

HSE WEL TWA: 25 ppm (skin)
HSE WEL STEL: 50 ppm (skin)
IOELV TWA: 98 mg/m³; 20 ppm (skin)
IOELV STEL: 246 mg/m³; 50 ppm (skin)

Butane (106-97-8)

HSE WEL TWA: 1450 mg/m³; 600 ppm
HSE WEL STEL: 1810 mg/m³; 750 ppm

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.

8.3.2 Hand Protection:

The following glove material(s) are recommended: Butyl rubber.

8.3.3 Skin Protection:

Avoid skin contact.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

8.3.5 Ingestion:

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

Keep out of the reach of children.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odour:	Liquid aerosol, foamy white with slight ammonia-like odour. Compressed Gas
- pH:	10 - 11.5
- Boiling point/boiling range:	Not determined
- Melting point/melting range:	Not determined
- Flash point:	Not applicable
- Autoflammability:	Not determined
- Flammable Limits - LEL:	Not applicable
- Flammable Limits - UEL:	Not applicable
- Vapour pressure:	Not determined
- Water Solubility:	Not determined
- Specific gravity:	0.995 (Water=1)
- Vapour density:	Not determined
- Volatile organic compounds:	9.8 %
- Viscosity:	Not applicable
- Percent Volatile:	100 %

10 STABILITY AND REACTIVITY

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:

Toxic vapours, gases or particulates.

Carbon monoxide.

Carbon dioxide.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

- Mild Eye Irritation: Signs/symptoms may include redness, pain and tearing.

11.2 Effects from Skin Contact:

- May be absorbed through skin and cause target organ effects.
- Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, and itching.

11.3 Effects from Inhalation:

- May be absorbed following inhalation and cause target organ effects.
- Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

11.4 Effects from Ingestion:

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

11.5 Other Effects and Information:

- Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

12 ECOLOGICAL INFORMATION

12.1 Environmental Data:

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

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:

Not determined.

12.5 Ecotoxicity Data:

Not determined.

12.6 Ecofate Data:

Not determined.

12.7 Special statements for 2001/58/EC:

Not determined.

12.8 Other Effects and Information:

A conservative, screening level assessment of this product indicates that its use and proper disposal are expected to present a low environmental risk.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

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

Transport Details:

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

15 REGULATORY INFORMATION

Label Version Number:

06.00

Symbol(s):

None.

Risk Phrases:

None.

Safety Phrases:

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.
S16	Keep away from sources of ignition - No Smoking.
S2	Keep out of the reach of children.

Disclosable Ingredients:

No ingredients required on label.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R12	Extremely flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Updated sections; 2,7,8,10,15. Added 3M stock number

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.

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