SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:
3M 8001 Cleaner For Static Control Mats

1.2 Intended Use of Product:
Professional product to clean stains and dirt from static control surfaces.

1.3 3M Product ID:
This Safety Data Sheet is for information only as the product is currently not sold by 3M UK or 3M Ireland.

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:
R36/38 Irritating to eyes and skin.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Water EU Number: EINECS 231-791-2	7732-18-5	> 90
2-Butoxyethanol EU Number: EINECS 203-905-0 EU Classification: Xn: R20/21/22; Xi: R36/38	111-76-2	3 - 7
2-Aminoethanol EU Number: EINECS 205-483-3 EU Classification: Xn: R20/21/22; C: R34	141-43-5	1 - 5
Alcohols, C6-12, ethoxylated	68439-45-2	0.5 - 1.5
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	0.5 - 1.5
Potassium hydroxide EU Number: EINECS 215-181-3	1310-58-3	< 1

EU Classification: Xn: R22; C: R35

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. Get immediate medical attention.

5 FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media:
Not specified.

5.2 Unsuitable Extinguishing Media:
Not specified.

5.3 Exposure Hazards:
Material will not burn.

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:
Not applicable.

6 ACCIDENTAL RELEASE MEASURES

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:
Evacuate unprotected and untrained personnel from hazard area.
The spill should be cleaned up by qualified personnel.
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.
Dilute in a large excess of water. Carefully, and with stirring, add appropriate dilute acid such as sulfamic acid or vinegar. Confirm neutrality.
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.
Clean up residue with detergent and water.
Collect the resulting residue containing solution.
Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene.
Cover, but do not seal for 48 hours.
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. Contents may be under pressure, open carefully. Avoid inhalation of vapours,mists or spray. Avoid eye contact with vapours, mists, or spray. For industrial or professional use only.

7.2 Precautions for Safe Storage:

- Ventilation:
  Keep container in a well-ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment. If sufficient ventilation is not available, particularly in confined spaces, use appropriate respiratory protection.

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)

2-Aminoethanol (141-43-5)
HSE WEL TWA: 7.6 mg/m3; 3 ppm
HSE WEL STEL: 15 mg/m3; 6 ppm
IOELV TWA: 2.5 mg/m3; 1 ppm (skin)
IOELV STEL: 7.6 mg/m3; 3 ppm (skin)

Potassium hydroxide (1310-58-3)
HSE WEL STEL: 2 mg/m3

8.3 Exposure Controls:

8.3.1 Eye Protection:
Avoid eye contact. Avoid eye contact with vapours, mists, or spray.

8.3.2 Hand Protection:
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.

8.3.3 Skin Protection:
Avoid skin contact.

8.3.4 Respiratory Protection:
Under normal use conditions, airborne exposures are not expected to be significant enough to require 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odour:	Clear liquid with a mild solvent odour.
- Boiling point/boiling range:	≥ 100.0 °C
- Melting point/melting range:	Not applicable
- Flash point:	Not applicable
- Autoflammability:	Not determined
- Flammable Limits - LEL:	Not applicable
- Flammable Limits - UEL:	Not applicable
- Water Solubility:	Complete
- Specific gravity:	≥ 1 (Water=1)
- Vapour density:	Not determined
- Volatile organic compounds:	≥ 6 %
- Evaporation rate:	≥ 1 (Water=1)
- Viscosity:	<= 100 mPa.s
- Percent Volatile:	≥ 95 % by weight

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:
Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:
None known.

10.3 Materials to Avoid:
None known.

10.4 Hazardous Decomposition:
Carbon monoxide.
Carbon dioxide.

11 TOXICOLOGICAL INFORMATION

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:
- May be absorbed following inhalation and cause target organ effects.

Single exposure, above recommended guidelines, may cause:
- Upper Respiratory Tract Irritation: Signs/symptoms may include; cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

11.4 Effects from Ingestion:
- Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish coloured skin (cyanosis), and may be fatal.

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

11.5 Other Effects and Information:
Single exposure, above recommended guidelines, may cause:
- 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 components labelled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments.

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.

12.5 Ecotoxicity Data:
This product is estimated to be harmful to aquatic organisms (10 mg/L < Lowest LC50, EC50, or IC50 < or = 100 mg/L). The estimate assumes no synergistic, antagonistic or nonadditive effects. Product toxicity was estimated using the following equation: (1/Product LC50, EC50, or IC50) = SUM (fi/li) from i = 1 to i = n for fi = fraction of component i in product, li = lowest LC50, EC50, IC50 of component i, n = number of components in product. Inorganic: Potassium Hydroxide (1310-58-3). Readily biodegradable: 2-Butoxyethanol (111-76-2), Ethanolamine (141-43-5), Ethoxylated Secondary Alcohol (68131-40-8), Ethoxylated Alcohol (68439-45-2).Bioconcent rating but readily biodegradable: Ethoxylated Secondary Alcohol (68131-40-8), Ethoxylated Alcohol (68439-45-2). Log Kow <3: 2-Butoxyethanol (111-76-2), Ethanolamine (141-43-5).

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 likely to present a low environmental risk. Potential use and misuse are unlikely to cause components to enter the environment in quantities or by routes that could cause adverse environmental impacts. The potential of all of the components to rapidly biodegrade means that toxicity is likely to disappear rapidly in aerobic environments with conditions that favour biodegradation. The components labeled 'Bioconcentrating but readily biodegradable' are expected to have their bioconcentration potential disappear rapidly from aerobic environments with conditions that favour biodegradation. Components contributing most to the toxicity and bioconcentration potential have the tendency to biodegrade rapidly. This means that their potential to bioconcentrate is likely to disappear rapidly from aerobic environments with conditions that favour biodegradation.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:
Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

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:
02.00

Symbol(s):

Xi	Irritant.

Risk Phrases:

R36/38	Irritating to eyes and skin.

Safety Phrases:

S23A	Do not breathe vapour.
S51	Use only in well ventilated areas.
S24/25	Avoid contact with the skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28B	After contact with skin, wash immediately with plenty of water.

Disclosable Ingredients:
2-Butoxyethanol;
2-Aminoethanol;
Potassium hydroxide.

Product Certifications:
EINECS.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R20	Harmful by inhalation.
R21	Harmful in contact with skin.

R22 Harmful if swallowed.
R34 Causes burns.
R35 Causes severe burns.
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: 5,7,9

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.