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MATERIAL SAFETY DATA SHEET
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This MSDS has been prepared by 3M Australia Pty Ltd Toxicology Dept.

1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
3M BRAND GLASS AND LAMINATE CLEANER

DIVISION
ZC - International Operations

3M Product ID
AN-0105-5838-3, AN-0105-5839-1

RECOMMENDED USE: For industrial or professional use only.
For cleaning glass and laminate surfaces.

2 HAZARDS IDENTIFICATION

NOTE: C1 COMBUSTIBLE LIQUID. For more information refer AS 1940.
NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

POISONS SCHEDULE Not applicable.

Safety Codes and Phrases
S23C Do not breathe vapour or spray.
S51 Use only in well ventilated areas.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3 COMPOSITION

Ingredient Name	CAS number	Percentage
WATER	7732-18-5	90 - 100
2-BUTOXYETHANOL	111-76-2	5 - 10
ETHANOLAMINE	141-43-5	0.5 - 1

4 FIRST AID MEASURES

EYE CONTACT

Get medical attention. Flush eyes with large amounts of water.

SKIN CONTACT

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

INHALATION

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

IF SWALLOWED

Do not induce vomiting. Get immediate medical attention. Give person two glasses of water. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

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

EXPOSURE HAZARDS DURING FIRE

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.

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. Wear full protective equipment

(Turnout Gear) and a self-contained breathing apparatus (SCBA).

Combustion Products from Fire

Combustion Products from Fire are listed in Section 10,
STABILITY AND REACTIVITY.

6 ACCIDENTAL RELEASE MEASURES (SPILL)

Personal Precautions

Observe precautions from other sections of this Material Safety
Data Sheet.

Spill Response

For larger spills, cover drains and build dikes to prevent entry
into sewer systems or bodies of water. 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. Ventilate area with
fresh air. Contain spill. 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.

7 HANDLING AND STORAGE

Precautions for Safe Handling

For industrial or professional use only.
Avoid contact with oxidizing agents.

Conditions for Safe Storage

C1 COMBUSTIBLE LIQUID. For more information refer AS 1940.

Incompatibility - Materials to Avoid

Store away from acids. Store away from heat. Store out of direct
sunlight. Store away from oxidizing agents.

EXPLOSION AVOIDANCE

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

Fire Avoidance

Do not spray near flames or sources of ignition.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

2-BUTOXYETHANOL (111-76-2)

NATIONAL EXPOSURE STANDARDS: TWA: 20 ppm, 96.9 mg/m³. STEL: 50 ppm, 242 mg/m³. Overall exposure for this substance will be influenced by skin exposure, including mucous membranes and eyes, either by airborne or more particularly by direct contact with the substance. The presence of other solvents may alter skin absorption.

ETHANOLAMINE (141-43-5)

NATIONAL EXPOSURE STANDARDS: TWA 3ppm 7.5 mg/m³ STEL 6ppm 15 mg/m³

Special Information, Exposure/Protection

The extent to which the following recommendations for exposure control and protection are observed should depend on the risk assessment undertaken for the specific conditions under which this product is used, including occupational hygiene measurements.

Recommended Ventilation

Use in a well-ventilated area.

Eye Protection

Avoid eye contact with vapour, spray, or mist. During operations in which eye exposure is likely, the following should be worn alone, or in combination, as appropriate: Indirect Vented goggles. Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

Hand Protection

Gloves made from one of the following material(s) are recommended (Gloves should be selected and used in accordance with AS/NZS 2161): Neoprene.

Skin Protection

Avoid skin contact.

Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Avoid breathing vapours, mists or spray. Select one of the following approved respirators based on airborne concentration

of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapour filters. Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

Prevention of Accidental Ingestion

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

9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odour	Clear liquid; light floral odour
pH	9 - 11
Boiling point	100 C
Melting point	0 C
Flash point	> 65 C
Autoignition temperature	Not determined
Vapour pressure	Not determined
Water Solubility	Complete
Specific gravity	0.998
Vapour density	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Flammable Limits - LEL	Not determined
Flammable Limits - UEL	Not determined
Percent Volatile	Not determined

10 STABILITY AND REACTIVITY

Stability

Hazardous polymerisation will not occur. Stable.

Materials to Avoid

None known.

Hazardous Decomposition Products

Carbon Monoxide. Carbon Dioxide.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact

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

Effects from Skin Contact

May be absorbed through skin and cause target organ effects.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

Effects from Inhalation

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion

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

Other Toxicological Information

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

12 ECOLOGICAL INFORMATION

Ecofate Data
Not determined.

13 DISPOSAL CONSIDERATIONS

Product as Sold
Discharge spent solutions and small quantities (less than 20L)
to a wastewater treatment system. As a disposal alternative,
incinerate in an industrial or commercial facility.

14 TRANSPORT INFORMATION

ADG (Road/Rail)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED
DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IATA (Airfreight)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED
DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IMO (Seafreight)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED
DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

15 REGULATORY INFORMATION

Product Certifications
AICS - Yes: Components checked

16 OTHER INFORMATION

REASON FOR REISSUE

This MSDS has been revised to include the combustible liquid statement. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet, which involves using the product, or otherwise that in accordance with instructions of use on product packaging is the responsibility of the user. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the Snr Regulatory Services Officer on (02)9498-9287.

