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MATERIAL SAFETY DATA SHEET
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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
SCOTCH 3M(TM) NO. 5413 AND NO. 5433 PLASTIC FILM TAPE

3M Product ID:
70-0160-3918-5 70-0160-3919-3 70-0160-3920-1
70-0160-3921-9 70-0160-3922-7 70-0160-3923-5

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
MQ RESIN	56275-01-5	15 - 40
SILOXANES AND SILICONES	68083-14-7	15 - 40
POLYIMIDE FILM BACKING	25038-81-7	15 - 40

3 HAZARDS IDENTIFICATION

Critical hazards:
No specific hazards identified during recommended use.

4 FIRST-AID MEASURES

Eye Contact:

No need for first aid is anticipated in the event of eye contact.

Skin Contact:

No need for first aid is anticipated in the event of skin contact.

Inhalation:

No need for first aid is anticipated.

Ingestion:

No need for first aid is anticipated.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water, Carbon dioxide, Dry chemical Foam.

Exposure Hazards:

No unusual fire or explosion hazards are anticipated.

Hazardous Decomposition:

Carbon monoxide, carbon dioxide and formaldehyde.

Fire-Fighting Procedures:

None known.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Methods for Cleaning up:

Not applicable

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Not applicable.

Fire Prevention:
Not applicable.

Precautions for Safe Handling:
This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:
Not applicable.

Skin Protection:
Avoid prolonged or repeated skin contact.

Respiratory Protection:
Avoid inhalation of thermal decomposition products.

Ingestion:
Not applicable.

Recommended Ventilation:
Provide appropriate local exhaust when product is heated.

Exposure Limits:

9 PHYSICAL AND CHEMICAL PROPERTIES

with	Appearance and Odour:	Solid brown roll of tape no odour.
	pH:	Not applicable
	Boiling point/boiling range:	Not applicable
	Melting point/melting range:	Not determined
	Flash point:	Not applicable
	Autoflammability:	Not determined
	Vapour pressure:	Not applicable

Water Solubility: Nil
Specific gravity: Not applicable
Vapour density: Not applicable
Volatile organic compounds: Not applicable
Evaporation rate: Not applicable
Viscosity: Not applicable
Percent Volatile:

10 STABILITY AND REACTIVITY

Materials to Avoid:
Avoid temperatures above 200 C without adequate ventilation.
Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Eye contact is not expected to occur during normal use of
the product.

Effects from Skin Contact:
No adverse health effects are expected from skin contact.
Prolonged or repeated exposure may cause: Mechanical Skin
irritation: Signs/symptoms may include abrasion, redness,
pain, and itching.

Effects from Inhalation:
No adverse health effects are expected unless product is
overheated.

Effects from Ingestion:
Ingestion is not a likely route of exposure to this product.

Other Effects and Information:
This product, when used under reasonable conditions or in
accordance with the 3M directions for use, should not
present a health and safety hazard. However, use or processing of
the product in a manner not in accordance with the product's

directions for use may affect the performance of the product and may present potential health and safety hazards.

12 ECOLOGICAL INFORMATION

Other Effects and Information:
Not determined.

13 DISPOSAL CONSIDERATIONS

Special Instructions:
Dispose of waste product in a landfill/waste disposal site.
Disposal alternative: As a disposal alternative, incinerate
in an industrial or commercial facility in the presence of a
combustible material. Since regulations vary, consult
applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: Not restricted for
transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: Not applicable
Class: Not applicable
Packing Group: Not applicable
Proper Shipping Name: Not applicable

ADR/RID CLASSIFICATION:

Class: Not applicable
ADR classification: Not applicable

ICAO/IATA CLASSIFICATION:

Class: Not applicable
Sub-Risk: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

15 REGULATORY INFORMATION

Disclosable Ingredients:

Symbol(s):
None required.

Risk Phrases:
None required.

Safety Phrases:
None required.

16 OTHER INFORMATION

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. Carriage of Dangerous Goods by Road regulations, 1996, as
amended.	The Petroleum
(Consolidation)	Act 1928.
Health	The Control of Substances Hazardous to
Regulations	Regulations 1999 as amended.
	The Special Waste
	1996, as amended. The

Act,
at

Environmental Protection
1990 The Health and Safety
Work Act, 1974.

Reissue date/Reason for reissue.
Checked MSDS history.

Intended Use of Product:

A polyimide film tape and silicone adhesive for gold tab
protection during wave soldering of printed circuit boards.

The information on this 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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