



3201 - Mu-copper tape

1. Identification of the substance/mixture and of the company/undertaking

Product Detail : 3201 - Mu-copper tape
 Application of the substance / the preparation: Mu-copper tape for EMI/RFI shielding (Electrically conductive tapes)
 Manufacturer / supplier: Holland Shielding Systems B.V.
 Jacobus Lipsweg 124
 3316 BP Dordrecht
 the Netherlands
 phone +31(0)78-2049000
 fax +31(0)78-2049008
 www.hollandshielding.com
 info@hollandshielding.com
 Emergency phone number: +31(0)78-2049000

2. Hazards identification

2.1 Emergency overview

Specific Physical Form	Roll of Tape
Odor, Color, Grade	Metal backing, Clear adhesive
General Physical Form	Solid

Immediate health, physical, and environmental hazards

This product, when used under reasonable conditions and in accordance with the Holland Shielding Systems B.V. directions for use, should not present a health 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.

2.2 Potential health effects

Eye Contact	No health effects are expected. Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Skin Contact	No health effects are expected.
Inhalation	No health effects are expected. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Dust from cutting, grinding, sanding or machining may cause target organ effects.
Ingestion	No health effects are expected.

3. Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
ACRYLIC POLYMER	9017-68-9	50 - 75
METAL BACKING (Al, Cu, Sn coated Cu, or Cu coated polyester fabric)	Trade Secret	25 - 50

4. First aid measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact	Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
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	No need for first aid is anticipated.

Revision date: 26-5-2016

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5. Firefighting measures

5.1 Flammable properties

Autoignition temperature	No Data Available
Flash Point	Not Applicable
Flammable Limits - LEL	Not Applicable
Flammable Limits - UEL	Not Applicable
OSHA Flammability Classification	Not Applicable

5.2 Extinguishing media

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 Protection of fire fighters

Special Fire Fighting Procedures (SCBA)	Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus
Unusual Fire and Explosion Hazards	Not applicable. No unusual fire or explosion hazards are anticipated.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

6. Accidental release measures

Accidental Release Measures	Not applicable
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7. Handling and storage

7.1 Handling

Avoid prolonged or repeated skin contact. Avoid breathing of dust created by cutting, sanding, grinding or machining. This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Store at temperature and conditions as recommended on product literature.

7.2 Storage

Not applicable

8. Exposure controls/personal protection

8.1 Engineering controls

Not applicable. Provide appropriate local exhaust for cutting, grinding, sanding or machining.

8.2 Personal Protective Equipment (PPE)

8.2.1 Eye/Face Protection

Not applicable.

8.2.2 Skin Protection

Not applicable. Gloves not normally required. Avoid prolonged or repeated skin contact.

8.2.3 Respiratory Protection

Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half mask R95 particulate respirator, Half mask or full facepiece air-purifying respirator with N100 particulate filters, Half facepiece or fullface air-purifying respirator with P100 particulate filters, Half facepiece or fullface air-purifying respirator with P95 particulate filters, Half facepiece or fullface air-purifying respirator with N95 particulate filters. Consult the current Holland Shielding Systems Respiratory Selection Guide for additional information or call +31 (0)78 - 204 90 00 for technical assistance.



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8.2.4 Prevention of Swallowing

Not applicable.

8.3 Exposure guidelines

None Established

9. Physical and chemical properties

Specific Physical Form	Roll of Tape
Odor, Color, Grade	Metal backing, Clear adhesive
General Physical Form	Solid
Autoignition temperature	No Data Available
Flash Point	Not Applicable
Flammable Limits - LEL	Not Applicable
Flammable Limits - UEL	Not Applicable
Boiling point	Not Applicable
Vapor Density	Not Applicable
Vapor Pressure	Not Applicable
Specific Gravity	No Data Available
pH	Not Applicable
Melting point	No Data Available
Solubility In Water	Not Applicable
Evaporation rate	Not Applicable
Volatile Organic Compounds	0 %
Percent volatile	0 %
VOC Less H2O & Exempt Solvents	0 %
Viscosity	Not Applicable

10. Stability and reactivity

Stability	Stable
Material and conditions to avoid	None known
Hazardous Polymerization	Hazafrdous polymerization will not occur

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

Hazardous Decomposition: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

11. Toxicological information

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

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12. Ecological information

Ecotoxicological information

Not applicable

Chemical fate information

Not applicable

13. Disposal considerations

Waste Disposal Method: Dispose of waste product in a sanitary landfill.

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

14. Transport information

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

15. Regulatory information

US federal regulations

Contact Holland Shielding Systems for more information.

311/312 Hazard Categories

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

State regulations

Contact Holland Shielding Systems for more information.

Chemical inventories

Contact Holland Shielding Systems for more information.

International regulations

Contact Holland Shielding Systems for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. Other information

NFPA Hazard Classification

Health	0
Flammability	0
Reactivity	0
Special Hazards	None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

No revision information is available.

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