

3M UK PLC
 3M CENTRE, CAIN RD,
 CENTRE,
 BRACKNELL, BERKSHIRE, RG12 8HT
 DUBLIN
 Tel: 01344 858000

3M IRELAND
 3M HOUSE, ADELPHI
 DUN LAOGHAIRE, CO.
 Tel: 01 2803555

 =====
 MATERIAL SAFETY DATA SHEET
 =====

Document id : 16-6314-5 Issue date : 12/04/2005
 Version : 3.00 Supersedes date : 17/09/2004

 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
 3M SUPER 33+ AND SUPER 88 VINYL ELECTRICAL TAPE-NO LEAD
 3M Product ID:
 80-6112-0701-2 80-6108-3386-7

 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient name and classification | CAS number | Percentage |
|--|------------|-------------|
| POLY(VINYL CHLORIDE) Regulatory Lists: IARC-NON | 9002-86-2 | 40 - 50 |
| POLYESTER RESIN | --- | 15 - 25 |
| PHENOLIC-CURED RUBBER ADHESIVE | --- | 10 - 20 |
| TACKIFYING RESIN | --- | 5 - 10 |
| SYNTHETIC RUBBER | --- | 1 - 5 |
| RESIN | --- | 1 - 5 |
| EPOXIDIZED VEGETABLE OIL | 8013-07-8 | 1 - 3 |
| DI-C8-10-BRANCHED ALKYL PHTHALATE, C9 RICH | 68515-48-0 | 2 - 3 |
| ANTIMONY TRIOXIDE Regulatory Lists: IARC(Group 2B) | 1309-64-4 | 1 - 3 |
| EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (Xn; R:Carc.Cat.3;40) | | |
| CARBON BLACK Regulatory Lists: IARC(Group 2B) IARC(Group 2B) - Category: CARBON BLACK EXTRACTS | 1333-86-4 | 1 - 3 |
| P-TERT-BUTYLPHENOL-FORMALDEHYDE RESIN | 25085-50-1 | Less Than 2 |
| STABILIZER | --- | 1 - 2 |

 3 HAZARDS IDENTIFICATION

Critical hazards:
None.

4 FIRST-AID MEASURES

- 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:**
Remove person to fresh air. If signs/symptoms develop, get medical attention.
- Ingestion:**
Do not induce vomiting. Get immediate medical attention. Give victim 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:**
No unusual fire or explosion hazards are anticipated.
- Hazardous Decomposition:**
Carbon monoxide - During Combustion. Carbon dioxide - during combustion. Hydrogen Chloride - During Combustion. Irritant Vapours or Gases - During Combustion. Oxides of Antimony During Combustion. Oxides of Zinc - During Combustion Hydrocarbons - At Elevated Temperatures 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.
- Fire-Fighting Procedures:**
Wear full protective equipment and a self-contained breathing apparatus.
- Special Instructions:**
Not applicable. Contact with aluminum or zinc in a pressurised system may generate hydrogen gas which could create an explosion hazard.

6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:**
Not applicable.
- Methods for Cleaning up:**
Not applicable.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Keep away from aluminium and zinc. Store away from oxidising agents.

Precautions for Safe Handling:

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. Avoid contact with oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Not applicable. Avoid eye contact with vapours, mists, or spray.

Hand Protection:

Not applicable.

Skin Protection:

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

Respiratory Protection:

Avoid inhalation of fumes. Avoid breathing of dust created by cutting, sanding, grinding or machining.

Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Not applicable. Keep out of the reach of children.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Not applicable. Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Exposure Limits:

POLY(VINYL CHLORIDE) (9002-86-2)

UK HSE TWA: 10 mg/m³ Total inhalable dust; Respirable dust 4 mg/m³ OES

DI-C8-10-BRANCHED ALKYL PHTHALATE, C9 RICH (68515-48-0)

CMRG TWA Exposure Limit: 5 mg/m³

ANTIMONY TRIOXIDE (1309-64-4)

UK HSE TWA: 0.5 mg/m³ as Sb OES

CARBON BLACK (1333-86-4)

UK HSE TWA: 3.5 mg/m³ OES

UK HSE STEL: 7 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|--|
| Appearance and Odour: | Black adhesive tape with a slight 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: | 1.22 g/ml |
| Vapour density: | Not applicable |
| Volatile organic compounds: | Not determined |
| Evaporation rate: | Not applicable |
| Viscosity: | Not applicable |
| Percent Volatile: | Not applicable. |

10 STABILITY AND REACTIVITY

Materials to Avoid:

Strong oxidising agents. None known. Finely divided active metals. Alkali and alkaline earth metals. Reactions with metals in powder form occur from 370 C onwards.

Hazardous Decomposition:

Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

No health effects are expected.

Effects from Skin Contact:

No health effects are expected.

Effects from Inhalation:

No adverse health effects are expected. If thermal decomposition occurs: Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Other Effects and Information:

This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present

33+ MSDS 07 05 09.txt
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.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:
Not applicable.

Ecofate Data:
Not applicable.

Special statements for 2001/58/EC:
A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

Other Effects and Information:
The environmental properties of this product present a low environmental hazard.

13 DISPOSAL CONSIDERATIONS

Product as Sold:
Not applicable.

Potential for Recycling:
Reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

Special Instructions:
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:

Class:

Packing Group:

Proper Shipping Name:

ADR/RID CLASSIFICATION:

Class:

33+ MSDS 07 05 09.txt

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.

□