

MD235 (PE701)Version 2.0
Document no. 130000151950Revision Date 2019/05/10
Issue Date 2022/11/24

This SDS adheres to the standards and regulatory requirements of China and may not meet the regulatory requirements in other countries.

Section 1 - Chemical and Enterprise Identification**Product name** : MD235 (PE701)**Product name in English** : MD235 (PE701)**Other names** : DuPont Confidential**Recommended use of the chemical and restriction on use****Recommended use** : For industrial use only.
Paste for electronic industry**Restrictions on use** : Do not use product for anything outside of the above specified uses.**Manufacturer, importer, supplier****Company** : Celanese (Shanghai) International Trading Co., Ltd
Street address : No. 600 Cailun Road, Zhangjiang Hi-Tech Park, Pudong New District, Shanghai
201203, PRC
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E-mail address : DPCNSDS@dupont.com**Emergency telephone number** : CHEMTREC International: +1-703-527 3887, +86 532 8388-9090 (China, 24h)**Date of first preparation** : 2019/05/10**Section 2 - Hazard Identification****GHS Hazard Category****Acute toxicity (Oral)** : Category 5
Endpoints which are not classified, cannot be classified or are not applicable are not shown.**Label content****Pictogram** : not required**Signal word** : Warning**Hazardous warnings** : May be harmful if swallowed.**Precautionary statements** : **Preventive Measures:** No precautionary statements are applicable for Preventive Measures.**Accident Response:** Call a POISON CENTER/doctor if you feel unwell.**Safe Storage:** No precautionary statements are applicable for Safe Storage.**Waste Disposal:** No precautionary statements are applicable for Waste Disposal.**Main Symptom After Contact**

No information available.

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Section 3 - Ingredients/Composition Information**Chemical nature** : Mixture**Components**

| Chemical name | CAS-No. | Concentration |
|--------------------------|----------|---------------|
| Methyl 2-methoxybenzoate | 606-45-1 | 70 - 80% |
| Fluorine Free Polyimide | | 20 - 30% |

Section 4 - First-aid Measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Skin contact** : Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
- Eye contact** : Immediately flush eyes for at least 15 minutes. Get medical attention.
- Ingestion** : If swallowed Rinse mouth with water. Call a physician or poison control centre immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : No information available.

Section 5 - Fire-fighting Measures

- Suitable extinguishing media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray, Dry chemical, Carbon dioxide (CO₂)
- Specific hazards** : Hazardous decomposition products formed under fire conditions. (see also section 10) Avoid breathing decomposition products.
- Special protective equipment for firefighters** : Exposure to decomposition products may be a hazard to health. Wear self-contained breathing apparatus for firefighting if necessary.
- Specific extinguishing methods** : No information available.
- Further information** : Evacuate personnel to safe areas. Stop spill/release if it can be done with minimal risk. Do not allow run-off from fire fighting to enter drains or water courses.

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Section 6 - Leak Emergency Treatment

- Protective measures, devices and emergency treatment procedure for workers** : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear suitable protective equipment.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Clean contaminated floors and objects thoroughly while observing environmental regulations.
- Methods and materials for containment and cleaning up** : Contain spill. Soak up with inert absorbent material. Collect and contain contaminated absorbent and dike material for disposal. Keep in suitable, closed containers for disposal. Ventilate the area. Clean contaminated surface thoroughly.
- Prevention of secondary hazards** : No information available.
- Additional advice** : Dispose of in accordance with local regulations.

Section 7 - Operation Handling and Storage**Operation Handling**

- Technical measures/Precautions : Avoid inhalation, ingestion and contact with skin and eyes. Do not use in areas without adequate ventilation. Keep container closed when not in use. Take care to avoid waste and spillage when weighing, loading and mixing the product.
- Precautions for safe handling : Avoid formation of dust and aerosols. Keep away from heat and sources of ignition.

Storage

- Suitable storage conditions : Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition - No smoking. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Keep container closed when not in use. Do not reuse empty container.

Storage period: Stable under normal conditions.

Section 8 - Exposure Control and Personal Protection**Control parameters**

No occupational exposure limit values are applicable.

- Engineering controls** : Local exhaust or a laboratory hood should be used when handling the materials. Maintain air concentrations below occupational exposure standards.

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Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : Provide adequate ventilation. No personal respiratory protective equipment normally required. Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
Persons performing maintenance or repairs on exhaust system equipment (e.g. ducts) may need to use respirators and protective clothing to prevent exposure to any accumulated residues.

Hand protection : Material: Impervious gloves
Gloves must be inspected prior to use., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough., The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., The exact break through time can be obtained from the protective glove producer and this has to be observed., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection : Wear safety glasses with side shields.

Skin protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Lightweight protective clothing
Safety shoes

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Remove contaminated clothing and protective equipment before entering eating areas. Remove and wash contaminated clothing before re-use.

Section 9 - Physical and Chemical Properties**Appearance (Physical state, form, colour, etc.)**

Physical state : liquid
Form : viscous liquid
Colour : translucent, light yellow

Odour : slight

Odour Threshold : No information available.

pH : No information available.

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Melting point/freezing point

No information available.

Boiling point, initial boiling point and boiling range

No information available.

Flash point : >120 °C**Evaporation rate** : No information available.**Flammability (solid, gas)** : No information available.**Upper/lower flammability or explosive limits**

Upper explosion limit : No information available.

Lower explosion limit : No information available.

Vapour pressure : No information available.**Vapour density** : No information available.**Density**

No information available.

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-octanol/water : No information available.**Auto-ignition temperature**

No information available.

Decomposition temperature : No information available.**Viscosity**

Viscosity, kinematic : No information available.

Molecular weight : No information available.**Oxidizing properties** : No information available.**Section 10 - Stability and Reactivity****Reactivity** : No information available.**Chemical stability** : Stable at normal temperatures and storage conditions.**Possibility of hazardous reactions** : Polymerization will not occur.**Conditions to avoid** : None reasonably foreseeable.

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- Materials to avoid** : Acids, bases and strong oxidizing agents
- Hazardous decomposition products** : No decomposition if stored and applied as directed.
- Under fire conditions:
- Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Section 11 - Toxicological Information**Acute toxicity**

Oral

- Methyl 2-methoxybenzoate : LD50/Rat: 3,200 mg/kg
- Fluorine Free Polyimide : Toxic effects cannot be excluded

Inhalation

- Methyl 2-methoxybenzoate : Toxic effects cannot be excluded
- Fluorine Free Polyimide : Toxic effects cannot be excluded

Dermal

- Methyl 2-methoxybenzoate : LD50/Rabbit: > 5,000 mg/kg
The substance or mixture has no acute dermal toxicity
- Fluorine Free Polyimide : Toxic effects cannot be excluded

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitisation

- Methyl 2-methoxybenzoate : Species: human
Result: Does not cause skin sensitisation.
Classification: Does not cause skin sensitisation.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Specific Target Organ Toxicity

No information available.

Aspiration hazard

- Methyl 2-methoxybenzoate : No aspiration toxicity classification
- Fluorine Free Polyimide : No aspiration toxicity classification

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No information available.

Persistence and degradability

No information available.

Bioaccumulation

Methyl 2-methoxybenzoate : Bioaccumulation is unlikely.

Mobility in soil

No information available.

Other adverse effects

No information available.

Section 13 - Waste Disposal

Waste disposal methods : If recycling is not practicable, dispose of in compliance with local regulations. Never place unused product down any indoor or out door drain. Do not reuse empty container. Contaminated/not cleaned containers should be treated/handled like product waste. Dispose of container properly. Refer to applicable Local, State/Provincial, and Federal Regulations, as well as industry Standards.

Contaminated packaging : Dispose of in accordance with local regulations.

Section 14 - Transport Information

Not classified as dangerous in the meaning of transport regulations.

China Dangerous Goods Regulation

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Packing group : Not applicable

IMDG

UN number : Not applicable
UN proper shipping name : Not applicable
Transport hazard class : Not applicable
Packing group : Not applicable
Marine pollutant : Not applicable

IATA

UN number : Not applicable
UN proper shipping name : Not applicable
Transport hazard class : Not applicable
Packing group : Not applicable

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for transportation**Section 15 - Regulatory Information**

Regulation on the Safety Management of Hazardous Chemicals
Production Safety Law of the People's Republic of China
Law of the People's Republic of China on Prevention and Treatment of Occupational Disease
Environmental Protection Law of the People's Republic of China
Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution
Marine Environment Protection Law of the People's Republic of China
Fire Protection Law of the People's Republic of China
Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes
Occupational exposure limits for hazardous agents in the workplace Part 1 Chemical hazardous agents (GBZ2.1)
Occupational exposure limits for hazardous agents in the workplace Part 2 Physical agents (GBZ2.2)

Section 16 - Other Information**References**

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For research use only.

Significant change from previous version is denoted with a double bar.

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