

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	1 / 8

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name	:	VESTAMID® Care ME47
Use of the Substance / Preparation	:	Moulding mass for thermoplastic processing into technical semi-finished products and structural elements
Company	:	Evonik Corporation USA 299 Jefferson Road Parsippany, NJ 07054-0677 USA
Telephone	:	973-929-8000
Telefax	:	973-929-8040
US: CHEMTREC EMERGENCY NUMBER	:	800-424-9300
CANADA: CANUTEC EMERGENCY NUMBER	:	613-996-6666
Product Regulatory Services	:	973-929-8060

### 2. HAZARDS IDENTIFICATION

#### \*\*\* EMERGENCY OVERVIEW \*\*\*

**Form**-granular    **Color**-natural colour    **Odor**-odourless

Fumes from hot processing may be irritating to eyes and respiratory tract.  
Risk of skin burns caused by hot melt.

#### POTENTIAL HEALTH EFFECTS

##### Eye contact

Fumes from hot processing may cause eye irritation.

##### Skin Contact

In case of burns by molten product medical treatment is necessary.

##### Inhalation

Fumes from hot processing may cause irritation.

##### Ingestion

Not applicable; not an expected route of exposure.

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	2 / 8

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

moulding compound on the base: polyamide (elastomers)

#### Other information

This product does not contain any components considered to be health hazards under the OSHA Hazard Communication Standard 29 CFR 1910.1200 or under the WHMIS Controlled Product Regulations in Canada.

### 4. FIRST AID MEASURES

#### General advice

Pay attention to self-protection.  
Remove victims from hazardous area.  
Keep warm, position comfortably, and cover well.  
Do not leave affected persons unattended.

#### Inhalation

In case of symptoms of irritation caused by vapours in thermal processing: Provide fresh air, seek medical advice if necessary.  
Following inhalation of product dust: See that there is fresh air.

#### Skin contact

Cool melted product on skin with plenty of water. Do not remove solidified product.  
In case of burns by molten product medical treatment is necessary.

#### Eye contact

Rinse with plenty of water.

#### Ingestion

Not applicable; not an expected route of exposure.

#### Notes to physician

No experiences of acute or chronic damages in humans have been made as yet.  
Risk of skin burns caused by hot melt.  
Continue with first aid measures.  
Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary.

### 5. FIRE-FIGHTING MEASURES

Flash point	not applicable
Lower explosion limit	see Explosiveness
Upper explosion limit	see Explosiveness

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	3 / 8

### Suitable extinguishing media

Water spray, foam, CO2, dry powder.

### Extinguishing media which must not be used for safety reasons

high volume water jet

### Specific hazards during fire fighting

May be released in case of fire: carbon monoxide, carbon dioxide, nitric oxides, organic products of decomposition. Under certain fire conditions, traces of other toxic products may occur.

### Special protective equipment for fire-fighters

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

---

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

In case product dust is released:  
Dust mask

### Environmental precautions

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

### Methods for cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dust formation.

Use mechanical handling equipment.

---

## 7. HANDLING AND STORAGE

### Handling

#### Safe handling advice

Avoid dust formation.  
Provide for appropriate exhaust ventilation and dust collection at machinery.  
In case of thermal processing, provide for extraction of the vapours or adequate ventilation.

#### Advice on protection against fire and explosion

General rules of fire prevention should be observed.  
If dusts are formed: Take precautionary measures against static charges, keep away from sources of ignition.

### Storage

#### Requirements for storage areas and containers

Keep tightly closed in a dry and cool place.

#### Advice on common storage

Observe prohibition against storing together!

#### Storage stability

Stable under recommended storage conditions.

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	4 / 8

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component occupational exposure guidelines

- **exposure limit for dust**

CAS-No.

Control parameters 15 mg/m<sup>3</sup>

Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(OSHA  
Z1)

Total dust.

5 mg/m<sup>3</sup>

Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(OSHA  
Z1)

Respirable fraction.

10 mg/m<sup>3</sup>

Inhalable fraction.

Time Weighted Average (TWA):(ACGIH)

3 mg/m<sup>3</sup>

Respirable fraction.

Time Weighted Average (TWA):(ACGIH)

### Engineering measures

In case of thermal processing, provide for extraction of the vapours or adequate ventilation.

In case of dust being formed, provide for adequate extraction.

### Personal protective equipment

#### Respiratory protection

Do not inhale vapours from hot product.

Should vapours inadvertently manage to permeate into the surrounding air during thermal processing, then gas masks fitted with filters designed to combat organic vapours (e.g. A 2) or breathing apparatus with an independent air supply are to be worn.

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

#### Hand protection

The wearing of protective gloves is not required if the granulate in question is handled at room temperature.

Any areas of skin covered with dust must be washed immediately with soap and water as the powder draws out natural moisture from the skin.

Use barrier cream regularly.

Protective heat-insulating gloves are to be used during thermal processing.

#### Eye protection

safety glasses

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	5 / 8

### Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

### Hygiene measures

Do not wear contaminated clothing.

Wash hands before breaks and at the end of workday.

Smoking, eating and drinking should be prohibited in the application area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	granular
Color	natural colour
Odor	odourless
physical state	solid

### Safety data

pH	not applicable
Boiling point/range	not applicable decomposition
Flash point	not applicable
Flammability	Not to be expected in view of the structure
Autoinflammability	Not to be expected in view of the structure
Explosiveness	not explosive Dusts might form explosive mixtures with air.
Lower explosion limit	see Explosiveness
Upper explosion limit	see Explosiveness
Vapor pressure	not applicable
Relative density	1.0 - 1.2 (20 °C)
Metal corrosion	Not to be expected in view of the structure
Water solubility	insoluble
Partition coefficient (n-octanol/water)	No data available Not required by safety or application considerations.
Viscosity, dynamic	No data available Not required by safety or application considerations.

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	6 / 8

Vapour density not applicable

### Further information

Other information The range of values given complies with the variation range of the product group.  
The specific physical chemical data can be read in the product information.

---

## 10. STABILITY AND REACTIVITY

Conditions to avoid	None known.
Materials to avoid	None known.
Hazardous decomposition products	Decomposition products on thermal decomposition carbon monoxide, carbon dioxide, nitrogen oxides (NOx), organic products of decomposition
formation of flammable gases	Not to be expected in view of the structure
Hazardous reactions	Do not bring hot smelter into contact with water (steam formation!)

---

## 11. TOXICOLOGICAL INFORMATION

Product General Toxicity Information	No results of animal experiments with the product available.
--------------------------------------	--

---

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

Further Information	see item 12.6
---------------------	---------------

### Behaviour in environmental compartments

Bioaccumulation	see item 12.6
-----------------	---------------

Mobility	see item 12.6
----------	---------------

### Ecotoxicity effects

Toxicity to fish	see item 12.6
------------------	---------------

General Ecological Information	No ecotoxicological studies are available.
--------------------------------	--

---

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	7 / 8

Advice on disposal

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

## 14. TRANSPORT INFORMATION

### Transport/further information

Not dangerous according to transport regulations.

## 15. REGULATORY INFORMATION

### Information on ingredients / Non-hazardous components

This product contains the following non-hazardous components

NJTSR No.56705700001-5544P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	<= 99 %

### US Federal Regulations

#### OSHA

If listed below, chemical specific standards apply to the product or components:

- None listed

#### Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

#### CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

#### SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- No SARA Hazards

#### SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

#### Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

# MATERIAL SAFETY DATA SHEET

## VESTAMID® Care ME47



Material no.	99076189	Version	1.1 / US
Specification	181812	Revision date	03/03/2014
Order Number	03464676	Print Date	05/28/2014
		Page	8 / 8

- None listed

### State Regulations

#### California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

- None listed

### International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact the Product Regulatory Services Department.

• Europe (EINECS/ELINCS)	Listed/registered
• USA (TSCA)	Listed/registered
• Canada (DSL)	Not listed/Not registered
• Australia (AICS)	Listed/registered
• Japan (MITI)	Listed/registered
• Korea (TCCL)	Listed/registered
• Philippines (PICCS)	Not listed/Not registered
• China	Listed/registered
• New Zealand	Not listed/Not registered

## 16. OTHER INFORMATION

### HMIS Ratings

Health :	1
Flammability :	1
Physical Hazard :	0

### Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.