

SAFETY DATA SHEET**VESTAMID® Care ME62**

Material no.	99027786	Version	2.0 / US
Specification	175373	Revision date	04/17/2015
Order Number	04387888	Print Date	09/04/2015
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1. Identification**1.1. Product identifier**

Trade name VESTAMID® Care ME62

1.2. Recommended use of the chemical and restrictions on use

Relevant applications identified Moulding mass for thermoplastic processing into technical semi-finished products and structural elements

1.3. Details of the supplier of the safety data sheetCompany Evonik Corporation USA
299 Jefferson Road
Parsippany, NJ 07054-0677
USA

Telephone 973-929-8000

Telefax 973-929-8040

Email address Product-Regulatory-Services@Evonik.com

1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:**CHEMTREC - US & CANADA:** 800-424-9300**CHEMTREC MEXICO:** 01-800-681-9531**CHEMTREC INTERNATIONAL:** +1 703-527-3887 (collect calls accepted)

Product Regulatory Services : 973-929-8060

2. Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation 29CFR 1910.1200

Remarks Not a hazardous substance or mixture.

2.2. Label elements

Statutory basis Classification according to Regulation 29CFR 1910.1200

Remarks Not a hazardous substance or mixture.

2.3. Other hazards

Fumes from hot processing may be irritating to eyes and respiratory tract.

Risk of skin burns caused by hot melt.

Inhalation Fumes from hot processing may cause irritation.

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

Eyes Fumes from hot processing may cause eye irritation.

Ingestion Not applicable; not an expected route of exposure.

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3. Composition/information on ingredients**Chemical nature**

polyamide

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**4.1. Description of first aid measures****General advice**

Pay attention to self-protection.
Move out of dangerous 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.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

No experiences of acute or chronic damages in humans have been made as yet.

Hazards

Risk of skin burns caused by hot melt.

4.3. Indication of any immediate medical attention and special treatment needed

Continue with first aid measures.

Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary.

5. Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media: Water spray, foam, CO₂, dry powder.

Unsuitable extinguishing media: high volume water jet

5.2. Special hazards arising from the substance or mixture

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.

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5.3. Advice for firefighters

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

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case product dust is released: Dust mask

6.2. Environmental precautions

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

6.3. Methods and material for containment and 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**7.1. Precautions for safe handling**

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.

7.2. Conditions for safe storage, including any incompatibilities**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

Keep tightly closed in a dry and cool place.

Advice on common storage

Observe prohibition against storing together!

German storage class

11 - Combustible Solids

Storage stability

Stable under recommended storage conditions.

8. Exposure controls/personal protection**8.1. Control parameters**

• exposure limit for dust		
CAS-No.		
Control parameters	15 mg/m ³	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):(OSHA Z1)
type of exposure	Total dust.	
Control parameters	5 mg/m ³	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):(OSHA Z1)
type of exposure	Respirable fraction.	
Control parameters	10 mg/m ³	Time Weighted Average (TWA):(ACGIH)
type of exposure	Inhalable fraction.	
Control parameters	3 mg/m ³	Time Weighted Average (TWA):(ACGIH)
type of exposure	Respirable fraction.	

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8.2. Exposure controls**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

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**9.1. Information on basic physical and chemical properties**

physical state	solid
Colour	natural colour
Form	granular
Odour	odourless
Odour Threshold	not determined Not required by safety or application considerations.
pH	not applicable
Melting point/range	140 - 220 °C
Boiling point/range	not applicable decomposition

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Flash point	not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	not flammable
Lower explosion limit	see Explosiveness
Upper explosion limit	see Explosiveness
Vapour pressure	not applicable
Vapour density	not applicable
Relative vapour density	no data available
Relative density	1.0 - 1.2 (20 °C)
Water solubility	insoluble
Partition coefficient: n-octanol/water	No data available Not required by safety or application considerations.
Autoignition temperature	> 350 °C
Thermal decomposition	> 300 °C
Viscosity, dynamic	No data available Not required by safety or application considerations.

9.2. Other information

Explosiveness	not explosive Dusts might form explosive mixtures with air.
peroxides	The substance or mixture is not classified as organic peroxide.
formation of flammable gases	The substance or mixture does not emit flammable gases in contact with water.
Metal corrosion	Does not corrode metal.
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**10.1. Reactivity**

Under normal conditions: stable.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions Do not bring hot smelter into contact with water (steam formation!)

10.4. Conditions to avoid

Keep away from all ignition sources including heat, sparks and flame.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Decomposition products on thermal decomposition
carbon monoxide, carbon dioxide, Nitrogen oxides (NOx), organic products of decomposition

11. Toxicological information**11.1. Information on toxicological effects**

Acute oral toxicity	Acute toxicity estimate : > 5000 mg/kg Method: Calculation method
Acute inhalation toxicity	Acute toxicity estimate : > 10 mg/l / 4 h / dust/mist Method: Calculation method
carcinogenicity assessment	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.
Further information	No toxicological tests have been conducted with the product itself.

12. Ecological information**12.1. Toxicity**

Toxicity to fish no data available

12.2. Persistence and degradability

Further Information no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility no data available.

12.5. Other adverse effects

Further Information No ecotoxicological studies are available.

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13. Disposal considerations**13.1. Waste treatment methods****Product**

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

Uncleaned packaging

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

14. Transport information

Not dangerous according to transport regulations.

- | | |
|---|-----|
| 14.1. UN number: | -- |
| 14.2. UN proper shipping name: | -- |
| 14.3. Transport hazard class(es): | -- |
| 14.4. Packing group: | -- |
| 14.5. Environmental hazards (Marine pollutant): | -- |
| 14.6. Special precautions for user: | Yes |
- Not dangerous according to transport regulations.

15. Regulatory information**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

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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:

- 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.

USA (TSCA)	listed/registered
Australia (AICS)	listed/registered
Japan (MITI)	listed/registered
Korea	listed/registered
China	listed/registered

Information on additional inventories on request.

An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.

HMIS Ratings

Health :	1
Flammability :	1
Physical Hazard :	0

16. Other information**Further information**

Revision date 04/17/2015

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

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Legend

ACC	American Chemistry Council
ACGIH	American Conference of Governmental Industrial Hygienists
ACS	Advisory Committee on Sustainability
ADI	Acceptable Daily Intake
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BOD	Biochemical oxygen demand
c.c.	closed cup
CAO	Cargo Aircraft Only
Carc	Carcinogen
CAS	Chemical Abstract Services
CDN	Canada
CEPA	Canadian Environmental Protection Act
CERCLA	Comprehensive Environmental Response – Compensation and Liability Act
CFR	Code of Federal Regulations
CMR	carcinogenic-mutagenic-toxic for reproduction
COD	Chemical oxygen demand
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
DOT	Department of Transportation
EC50	half maximal effective concentration
EPA	Environmental Protection Agency
ErC50	Reduction of Growth Rate
ERG	Emergency Response Guide Book
FDA	Food and Drug Administration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
HCS	Hazard Communication Standard
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO-TI	International Civil Aviation Organization- Technical Instructions
ICCA	International Council of Chemical Association
ID	Identification number
IMDG	International Maritime Dangerous Goods
IUPAC	International Union of Pure and Applied Chemistry
ISO	International Organization For Standardization
LC50	50 % Lethal Concentration
LD50	50 % Lethal Dose
L(E)C50	LC50 or EC50
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
RQ	Reportable Quantity
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
UN	United Nations
vPvB	very persistent, very bioaccumulative

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voc volatile organic compounds
WHMIS Workplace Hazardous Materials Information System
WHO World Health Organization