

**Safety Data Sheet****Grade** VESTAMID® E47-S4 naturalVersion 5  
Release Date 2001/7/29  
Revision Date 2014/7/7**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Trade Name** VESTAMID®  
**Grade Name** E47-S4 natural

**Company** DAICEL-EVONIK Ltd.  
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 Aboshi Plant Quality Assurance Dept. Tel.079-273-3872  
**Preparation of MSDS** Aboshi Plant Quality Assurance Dept.  
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 Tel.079-273-3872 Fax.079-274-3927

**2. HAZARDS IDENTIFICATION**

**GHS Classification** Not classified or Not applicable  
**Other Hazards** Dust can occur through abrasion if granulates are subjected to mechanical loading.  
 Risk of skin burns caused by hot melt.  
 Dust can form explosive mixtures with air.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance /Nature** Chemical substance  
**Chemical Nature** moulding compound on the base: polyamide (elastomers)  
**Information on ingredients**

(Component)	(Contents%)	(CAS No.)	(METI)
Polyamide12elastomer	95-100	68865-79-2	(7)-2136
Stabilizer,others	0-5		Listed

**Other information** This sheet describes a group of products. It only contains safety-relevant data. For specific data, see Product Information sheet.

**4. FIRST AID MEASURES**

**Description of first aid measures**  
 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 vapor 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.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** Water spray, foam, CO2, dry powder  
**Special hazards arising from the substance or mixture** Maybe released in case of fire : Carbon monoxide, carbon dioxide, nitric oxides, organic products of decomposition.  
 Under certain fire conditions, trace of other toxic product may occur.  
**Special protective equipment for fire-fighters** Have ready/wear respiratory protection equipment.

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Avoid dust formulation.**7. HANDLING AND STORAGE****Handling****Precautions for safe handling** Avoid dust formulation.  
Provide for appropriate exhaust ventilation and dust collection at machinery.  
In case of thermal processing, provide for extraction of vapors 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****Conditions for safe storage, including any incompatibilities.** No special precautions required.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering measure** In case of thermal processing, provide for extraction of the vapor or adequate ventilation.

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

**Control parameters** No data available.**Personal protective equipment****Respiratory protection** The wearing of a dust mask is sufficient in the event of dust occurring, operation e.g. during conveyance of the granulate or filter cleaning operation.  
Do not inhale vapors from hot product.  
Should vapors inadvertently manage to permeate into the surrounding air during thermal processing, then gas masks fitted with filters designed to combat organic vapors (e.g.A2) or breathing apparatus with an or breathing apparatus with an independent air supply are to be worn.**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.**Eye protection** Protective heat insulating gloves are to be used during thermal processing.**Hygiene protection** Safety glasses

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance****Form** Granular  
**Color** Natural colored  
**Order** Odorless**Information on basic physical and chemical properties****pH** Not applicable  
**Melting point/range** 140-220°C  
**Boiling point/range** Not applicable  
**Flash point** Not applicable  
**Ignition temperature** >350°C  
**Thermal decomposition** >300°C  
**Explosiveness** IF dust develop, explosive dust/air mixture may form.  
**Vapor pressure** Not applicable  
**Density** 1.0-1.2 g/cm3 (30°C)  
**Water solubility** Insoluble

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

**10. STABILITY AND REACTIVITY****Reactivity**

Stable

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Do not bring hot smelter into contact with water (steam formation!)

**Hazardous decomposition product**Decomposition products in combustion, chemical or thermal decomposition  
carbon monoxide, carbon dioxide, nitrogen oxides (NOx), organic product  
of decomposition**11. TOXICOLOGICAL INFORMATION****Further Information**

No harmful effects have become known as yet.

**12. ECOLOGICAL INFORMATION****Further Information on ecology**The product is a water-insoluble, solid polymer which, under environmental conditions,  
is not expected to have a detrimental effect on plants, animals or microorganisms.**13. DISPOSAL CONSIDERATIONS****Product**

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

**14. TRANSPORT INFORMATION**

Not dangerous according to transport regulations.

**15. REGULATORY INFORMATION****registration****National Legislation**

Europe (EINECS/ELINCS)	listed/registered
USA (TSCA)	listed/registered
Australia (AICS)	listed/registered
Japan (MITI)	listed/registered
Korea (KECI)	listed/registered
China	listed/registered

**16. OTHER INFORMATION****Further information**

The information provided in the Safety Data Sheet is corrected to the best of our knowledge, information and belief at the data of 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.