

Material Safety Data Sheet

GRADE	Daiamid ZZ3000P
Version	4
Release Date	2002/7/19
Revision Date	2008/2/14

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

Trade name	Daiamid
Grade No.	ZZ3000P
Company	Daicel-Evonik Ltd.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature	Powder
	Moulding compound on the base of Polyamide 12
Information on ingredients	(Components) (Contents) (CAS No.)
	Polyamide 12 95 - 100 25038 74 8
	Stabilizers, others 0 - 5

Other information This sheet only describes safety-relevant data. For specific data, see Product information sheet. The base material of the polymer are registered in Japanese METI.

3. HAZARDS IDENTIFICATION

see item 2 and 11
Risk of skin burns caused by hot melt.

4. FIRST AID MEASURES

Inhalation of vapors/fumes	If feeling unwell seek medical advice.
Skin contact	In case of burns by molten product medical treatment is necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, Foam, CO2 , Dry powder
Specific hazards during fire fighting	
Hazardous fumes in fires, specific to the product:	May be released in case of fire: Carbon monoxide, decomposited aromatic organic chemicals. Under certain fire condition, trace of other toxic products may occur.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Prevent the formation of dust.
Methods for cleaning up	Use mechanical handling equipment.
Additional advice	Contaminated surfaces will be extremely slippery.

7. HANDLING AND STORAGE

Handling	Prevent the formation of dust.
Protection against fire/explosion	General rules of fire prevention should be observed. in case of dusts being formed: Take precautionary measures against static charges, keep away from sources of ignition.
Storage	No special precautions required.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures	In case of thermal processing, provide for extraction of the vapors or adequate ventilation. In case of dust being formed, provide for adequate extraction.
Personal protective equipment	The wearing of a dust mask is sufficient in the event of dust occurring, e.g. feeding or cleaning operations.
Respiratory protection	In case of dusts/vapors/aerosols being formed or if the limit values like TLV are exceeded: use respiratory equipment with suitable filter or wear a self contained respiratory apparatus. Do not inhale dusts and vapors from hot products.
Hand protection	Protective heat-insulating gloves are to be used during thermal processing. The wearing of protective gloves is not required if the powder in question is handled at room temperature.
Eye protection	Any areas of the 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. Recommended, e.g. Safety glasses
Hygiene measures	Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Powder
Color	Natural color
Odor	resin like odor
Safety data	
PH	not applicable
Melting point/range	175~180 (DSC)
Boiling point/range	not applicable
Flash point	not applicable
Ignition temperature	>350 (DIN51974)
Explosion limits	Powder can form explosive mixture with air.
Vapor pressure	not applicable
Density	1.0~1.2g/cm ³
Water solubility	insoluble
Further information	
Other information	The range of values given complies with the variation of the product group. The specific physicochemical data can be read in the product information.

10. STABILITY AND REACTIVITY

Stability	No decomposition in the field of application.
Thermal decomposition products	Decomposition products on effect of heat harmful gases/vapors
Hazardous reactions	No dangerous reactions known.

11. Toxicological information No harmful effects have become known as yet.

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

14. Transport information No dangerous goods under the transport regulations.

15. Regulatory information

Labeling Not subject to labeling provisions by GHS.
National legislation

16. OTHER INFORMATION

Further information The data presented here correspond to the present state of our knowledge and experience and are intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities.

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