

## Material Safety Data Sheet

According to EU Directive 2015/830

Date of issue: 22 January 2016

### NEEMA3D™ ABS: EVO

#### 1. Identification of the substance/preparation and of the company

1.1 Trade name: NEEMA3D™ ABS: EVO

1.2 Use of the product: Compound, enhanced for the extrusion of 3Dprinter filaments

1.3 Supplier: Sfinarolaki Bross SA  
25is Martiou 170, Petroupolis  
13231,Greece  
Phone: +30 2105014020  
Emergency phone number: +30 2107793777

#### 2. Hazards identification

##### 2.1 Classification of the substance or mixture classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### 2.3 Other hazards

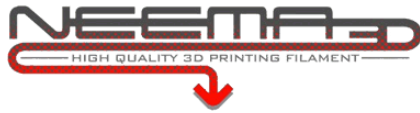
Not known.

#### 3. Composition/information on ingredients

##### 3.1 Mixtures

SVHC

Non of the substances, named in the Candidate list art. 59 (1,10) of the REACH regulation EC no. 1907/2006 has been used in a concentration > 0,1%.



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#### 4. First aid measures

##### 4.1 Description of first aid measures

- General advice: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- If inhaled: If breathed in, move person into fresh air.
- In case of skin contact: If on skin, rinse well with water. If skin irritation persists, call a physician.
- In case of eye contact: If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed: Rinse mouth with water. Induce vomiting immediately and call a physician. If a person vomits when lying on his back, place him in the recovery position.

##### 4.2 Most important symptoms and effects, both acute and delayed

no data available.

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

no data available.

#### 5. Firefighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, Dry chemical.  
Unsuitable extinguishing media: High volume water jet.

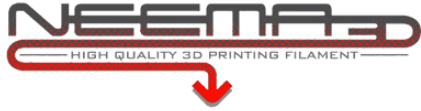
##### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire. Exposure to decomposition products may be a hazard to health.

##### 5.3 Advice for firefighters

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes



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#### 6. Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation, especially in confined areas.

##### 6.2 Environmental precautions

no data available.

##### 6.3 Methods and materials for containment and cleaning up

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

##### 6.4 Reference to other sections

see chapter: 7, 8, 11, 12 and 13.

#### 7. Handling and storage

##### 7.1 Precautions for safe handling

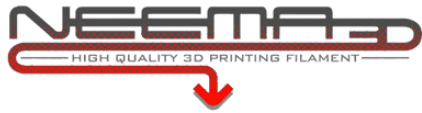
Advice on safe handling:	For personal protection see section 8. Avoid creating dust. Do not breathe dust. Avoid contact with skin and eyes.
Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Dust explosion class:	No data available.

##### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:	Keep containers tightly closed in a dry, cool and ventilated place.
Further information on storage conditions:	Protect from moisture.
Advice on common storage:	Keep away from oxidising agents and strongly acid or alkaline materials. Keep away from food, drink and animal feedingstuffs.

##### 7.3 Specific end use(s)

no data available.



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#### 8. Exposure controls/personal protection

##### 8.1 Control parameters

Dnel: Dnel/Dmel- values are not available.  
PNEC: PNEC- values are not available.

##### 8.2 Exposure controls

Engineering measures  
Provide adequate ventilation.

Personal protective equipment  
Respiratory protection:

In the case of dust or aerosol formation use respirator with an approved filter. Half mask with a particle filter P2 (EN 143).

Hand protection:

Rubber gloves.

Eye protection:

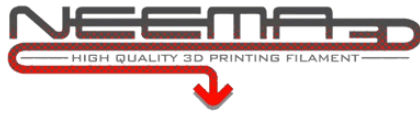
Goggles.

Skin and body protection:

Apron.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. General industrial hygiene practice. Do not breathe dust. Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Wash contaminated clothing before re-use.



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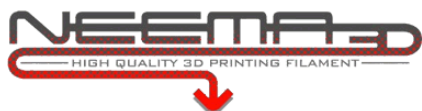
#### 9. Physical and chemical properties

##### 9.1 Information on basic physical and chemical properties

Appearance:	pellets.
Colour:	various
Odour:	Neutral.
Odour Threshold:	no data available.
Flash point:	no data available.
Ignition temperature:	not applicable.
Thermal decomposition:	$\geq 280$ °C.
Lower explosion limit:	not applicable.
Upper explosion limit:	not applicable.
Explosive properties:	no data available.
Flammability:	no data available.
Oxidizing properties:	no data available.
Auto-ignition temperature:	no data available.
Burning number:	no data available.
Molecular Weight:	no data available.
pH:	no data available.
Melting point/range:	no data available.
Vapour pressure:	no data available.
Density :	not measured.
Bulk density:	no data available.
Water solubility:	insoluble.
Solubility in other solvents:	not measured.
Viscosity, dynamic:	no data available.
Viscosity, kinematic:	no data available.
Evaporation rate:	no data available.

##### 9.2 Other information

None known.



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#### 10. Stability

##### 10.1 Reactivity

no data available.

##### 10.2 Chemical stability

The product is chemically stable.

##### 10.3 Possibility of hazardous reactions

No decomposition if stored and applied as directed.

##### 10.4 Conditions to avoid

no data available.

##### 10.5 Incompatible materials

Materials to avoid: Strong oxidizing materials.

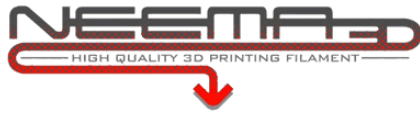
##### 10.6 Hazardous decomposition products

Hazardous decomposition products: Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

#### 11. Toxicological information

##### 11.1 Information on toxicological effects

Acute toxicity:	Not applicable.
Skin corrosion/irritation:	Not irritating.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitization:	No sensitization.
Reproductive toxicity:	No data available.
Carcinogenicity:	No data available.



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#### 12. Ecological information

##### 12.1 Toxicity

Not applicable, no relevant information available.

##### 12.2 Persistence and degradability

Difficult to degrade.

##### 12.3 Bioaccumulative potential

No data available.

##### 12.4 Mobility in soil

No data available.

##### 12.5 Results of PBT and vPvB assessment

No data available.

##### 12.6 Other adverse effects

No data available.

#### 13. Disposal considerations

##### 13.1 Waste treatment methods

Advice on disposal and packaging:

Disposal: In accordance with local and national regulations. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

#### 14. Transport information

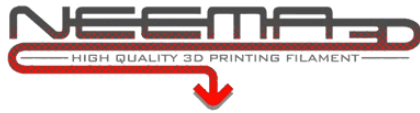
ADR Not dangerous goods.

RID Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Special precautions for user Not applicable.



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#### 15. Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 96/82/EC: Update 2003.  
Directive 96/82/EC does not apply.

Further information: Reserved for industrial and professional use.

##### 15.2 Chemical Safety Assessment

no data available.

#### 16. Other information

##### Full text of H-Statements referred to under sections 2 and 3

Not applicable.

##### Disclaimer:

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