ASA-39

UPDATE: 1.09.2020

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

1.1. Product identifier — Trade name: Filament ASA-39 1,75mm; Filament ASA-39 2,85mm

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses — Thermal processing: FDM/FFF

1.2.2. Uses advised against — Do not use without advised use.

1.3. Company

Producent/Dostawca: Omni3d sp z o.o.
Adres: ul. Św Michała 43 Poznań 61-119
Telefon: 886 618 690
Adres e-mail: sales@omni3d.com

1.4. Emergency telephone number — EU-wide emergency number: 112

2. HAZARD IDENTIFICATION

2.1. Classification of the substance/mixture

GHS Classification: Not applicable

2.2. Label elements

Hazard pictogram(s) Not applicable.
Signal word Not applicable.
Hazard statement(s) Not applicable.
Precautionary statement(s)

Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable

2.3. Other hazards

NFPA grade (0 – 4 level)
Health: 0, Flammability: 0, Reactivity: 0.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical Name	CAS No.	Content (%)
2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile	26299-47-8	90 – 99,9
Additive*	-	0,1 – 1

3.2. Mixtures

Not applicable.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact – do not rub your eyes. Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.

Skin contact – flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhalation contact – when exposed to large amounts of steam and mist, move to fresh air. Take specific treatment if needed.

Ingestion contact – about whether I should induce vomiting take the advice of a doctor. Rinse your mouth with water immediately.

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

Not available

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

Notify medical personnel of contaminated situations and have them take appropriate protective measures

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Dry chemical, carbon dioxide, regular foam extinguishing agent, spray.

Unsuitable extinguishing media
Avoid use of water jet for extinguishing.

5.2. Special hazards arising from the substance or mixture

May ignite by heat, sparks, flames. Easy to burn, but not easy to fire. Irritating or toxic gases may occur by fire. Inhalation of materials may be harmful.

5.3. Advice for firefighters

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Notify your local fire station and inform the location of the fire and characteristics hazard. Using a unattended and water devices in case of large fire and leave alone to burn if you do not imperative. Avoid inhalation of materials or combustion by-products. Do not access if the tank on fire. Keep containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Must work against the wind, let the upwind people to evacuate. Do not touch spilled material. Stop leak if you can do it without risk. Move container to safe area from the leak area. Handling the damage containers or spilled material after wearing protective equipment.

6.2. Environmental precautions

Prevent runoff and contact with waterways, drains or sewers. If large amount have spilled, inform the relevant authorities.

6.3. Methods and material for containment and cleaning up

Large spill:
stay upwind and keep out of low areas. Dike for later disposal. Notification to central government, local government. When emissions at least of the standard amount. Dispose of waste in accordance with local regulation. Appropriate container for disposal of spilled material collected.

Small liquid state spills:
appropriate container for disposal of spilled material collected. For disposal of spilled material in appropriate containers collected and clear surface.

6.4. Reference to other sections

See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for information on disposal.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Since emptied containers retain product residue (vapor, liquid, solid) follow all MSDS and label warnings even after container is emptied. Get manual before use. Operators should wear antistatic footwear and clothing

7.2. Conditions for safe storage, including any incompatibilities

Check regularly for leaks. Do not use damaged containers. Do not apply direct heat. Do not apply any physical shock to container. Keep sealed when not in use.

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

ACGIH TLV – not available.

8.2. Exposure controls

Engineering controls

A system of local and/or general exhaust is recommended to keep employee exposures above the exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source. Follow the appropriate engineering controls because unconfirmed gases for hazard among extrusion process may expose.

Personal protective equipment

Respiratory protection:

- Under conditions of frequent use or heavy exposure, respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use.
- Dust, mist, fume-purifying respiratory protection.
- Any air-purifying respirator with a corpuscle filter of high efficiency.
- Any respiratory protection with a electromotion fan (for dust, mist, fume-purifying).
- Self-contained breathing apparatus with a corpuscle filter of high efficiency.
- For unknown concentration or immediately dangerous to life or health: any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contrained breathing apparatus with a full facepiece.

Eye protection:

- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Provide an emergency eye wash station and quick drench shower in the immediate work area

Hand protection:

- Wear appropriate glove.

Skin protection:

- Wear appropriate clothing.

Other:

- Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	solid (filament).
Odor	odorless.
Odor threshold	not applicable.
pH	not applicable.
Melting point/freezing point	not applicable.
Initial boiling point/boiling ranges	not applicable.

Flash point	not applicable.
Evaporation rate	not applicable.
Flammability (solid, gas)	not applicable.
Upper/lower flammability or explosive limits	not applicable.
Vapour pressure	not applicable.
Solubility	insolubility (solubility in water).
Vapour density	not applicable.
Specific gravity	1,0 – 1,2
Partition coefficient of n-octanol/water	not applicable.
Autoignition temperature	over 400°C.
Decomposition temperature	not applicable.
Viscosity	not applicable.
Molecular weight	not applicable.

9.2. Other information

Not available.

10. Stability and reactivity

10.1. Reactivity

This material is not reactivity under recommended storage and handling conditions.

10.2. Chemical stability

This material is table under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Hazardous

10.4. Conditions to avoid

Avoid contact with incompatible materials and condition. Avoid: accumulation of electrostatic charges, heating, flames and hot surfaces.

10.5. Incompatible materials

Not available.

10.6. Hazardous decomposition products

Not available.

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity

Oral
[2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile] : LD50 > 5000 mg/kg Rat

Dermal
[2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile] : LD50 > 2000 mg/kg Rabbit

Inhalation
Not available.

11.2. Skin corrosion/irritation

Not available.

11.3. Eye corrosion/irritation

Not available.

11.4. Respiratory sensitization

Not available.

11.5. Skin sensitization

Not available.

11.6. Mutagenicity

Not available.

11.7. Carcinogenicity

IARC	Not available.
OSHA	Not available.
ACGIH	Not available.
NTP	Not available.
EU CLP	Not available.

11.8. Reproductive toxicity

Not available.

11.9. Specific target organ toxicity (single exposure)

Not available.

11.10. Specific target organ toxicity (repeated exposure)

Not available.

11.11. Aspiration hazard

Not available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Fish	Not available.
Crustaceans	Not available.
Algae	Not available.

12.2. Persistence and degradability

Persistence
[2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile] : (Not applicable)

Degradability Not available

12.3. Bioaccumulative potential

Bioaccumulation	Not available
Biodegradability	Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

Not available

12.6. Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods
Since more than two kinds of designated waste is mixed, it is difficult to treat separately, then can be reduction or stabilization by incineration or similar process. If water separation is possible, pre process with water separation process. Dispose by incineration.

Special precautions for disposal
The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities. Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

14.1. Un number

Not available

14.2. UN proper shipping name

Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazard

Not available

14.6. Special precautions for user

Local transport follows in accordance with dangerous good safety management law. Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

EmS FIRE SCHEDULE Not available
EmS SPILLAGE SCHEDULE Not available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulation/legislation specific for the substance or mixture

POPs Management Law Not applicable
Information of EU Classification
Classification Not applicable
Risk Phrases Not applicable
Safety Phrase Not applicable

U.S. Federal regulations
OSHA PROCESS SAFETY (29CFR1910.119) Not applicable
CERCLA Section 103 (40CFR302.4) Not applicable
EPCRA Section 302 (40CFR355.30) Not applicable
EPCRA Section 304 (40CFR355.40) Not applicable
EPCRA Section 313 (40CFR372.65) Not applicable

Rotterdam Convention listed ingredients Not applicable
Stockholm Convention listed ingredients Not applicable
Montreal Protocol listed ingredients Not applicable

15.2. Chemical safety assessment

Not available.

16. OTHER INFORMATION

16.1. Indication of changes

Not available.

16.2. Abbreviations and acronyms

ACGIH American Conference of Governmental Industrial Hygienists CCRIS Chemical Carcinogenesis Information
ChemIDplus Chemical Identification/Dictionary
CICADs Concise International Chemical Assessment Documents CPDB Carcinogenic Potency Database
CTD Comparative Toxicogenomics Database
EHC Environmental Health Criteria
ERG emergency response guidebook
ESIS European chemical Substances Information System) HSDB Hazardous Substances Data Bank
IARC International Agency for Research on Cancer
ICSCs International Chemical Safety Cards
IPCS INCHEM International Programme on Chemical Safety
IRIS Integrated Risk Information
IUCLID International Uniform Chemical Information Database) JECFA Joint Expert Committee on Food Additives
NLM National Library of Medicine
NTP National Toxicity Program
PDs Pesticide Documents
KOSHA Korea Occupational Safety & Health Agency

16.3. Key literature references and sources for data

The product safety data sheet has been prepared based on the documentation provided by the manufacturer of the granulate from which the filament product was made.

16.4. Relevant R phrases and H statements Not available.

16.5. Training advice Not available.

16.6. Further information

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