MATERIAL SAFETY DATA SHEET
Extrudr DuraPro ASA

1.PRODUCT IDENTIFICATION

1.1 PRODUCT IDENTIFIER

TRADE NAME Extrudr DuraPro ASA

1.2 MANUFACTURER

ADRESS FD3D GmbH/Extrudr
Klosterstraße 13
A-6923 Lauterach
Österreich

EMAIL info@extrudr.eu

2 HAZARD IDENTIFICATION

A. GHS Classification

Classification Not applicable

B. GHS label elements

Hazard symbols Not applicable

Signal words Not applicable

Hazard statements Not applicable

Precautionary statements
1. Prevention
Not applicable
2. Response
Not applicable
3. Storage
Not applicable
4. Disposal
Not applicable

C. Other hazards which do not result in classification : (NFPA Classification)

NFPA grade (0 - 4 level) Health : 1, Flammability : 1, Reactivity : 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Trade names and Synonyms	Content(%)
2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile	ASA	97~100
typical stabilizers and lubricants	typical stabilizers and lubricants	0-3

4. FIRST AID MEASURES

A. Eye contact

- Solid or dust may cause irritation or corneal injury due to mechanical action
- Immediately flush eyes with plenty of water for at least 15minutes and call a doctor.

B. Skin contact

- Essentially nonirritating to skin but rinse with copious water
- Mechanical injury only

C. Inhalation contact

- Dust may cause irritation to respiratory.
- In case of breathing, fumes released from heated material may cause respiratory irritation.
    - · In case of inhaling dense smoke, immediately remove a person to fresh air. may cause respiratory irritation
    - · If necessary, apply artificial respiration and seek medical attention immediately

D. Ingestion contact

- Unlikely due to physical state
- Rinse your mouth with water immediately.
- If vomiting occurs, lower the head to ease vomiting and seek for medical Advice.

E. Delayed and immediate effects and also chronic effects from short and long term exposure

- Not available

F. Notes to physician

- Not available

5. FIREFIGHTING MEASURES

A. Suitable (Unsuitable) extinguishing media

- Suitable extinguishing media: water, dry extinguishing media, foam, carbon dioxide
- Usually use water and use extinguishing media appropriate to surrounding conditions.

B. Specific hazards arising from the chemical

- Pyrolysate : carbon dioxide, carbon monoxide, hydrogen cyanide and a variety of chemical substances
- The substances/groups of substances mentioned can be released in case of fire.
- Irritating gases and dense smoke
- Dust can form an explosive mixture with air

C. Special protective actions for firefighters

- Cool containers with water until well after fire is out.
- Keep unauthorized personnel out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Notify your local firestation and inform the location of the fire and characteristics hazard.
- Wear appropriate protective equipment.
- Keep containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures

- Pellets or beads may present a slipping hazard.
- Sources of ignition should be kept well clear.

B. Environmental precautions

- Discharge into the environment must be avoided.
- Keep out of irrigation ditches, sewers, and water supplies.
- Spills should be collected to prevent contamination of waterways.
- If large amounts have been spilled, inform the relevant authorities.

C. Methods and materials for containment and cleaning up

- Sweep up.
- Appropriate container for disposal of spilled material collected.
- Avoid raising dust.
- Ensure adequate ventilation.

7. HANDLING AND STORAGE

A. Precautions for safe handling

- Avoid formation of dust.
- Avoid pellets / bags from getting wet.
- Keep bags always closed / Keep container lightly closed.
- When the product is ground (chopped), dust explosion regulations should be noted.
- Do not handle until all safety precautions have been read and understood

B. Conditions for safe storage, including any incompatibilities

- Protect against moisture. Keep sealed when not in use.
- Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flame.
- Please pay attention to incompatibilities materials and conditions to avoid.
- Keep bags / containers in a well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Exposure limits

Hazard symbols: Not applicable

B. Engineering controls

- Good general ventilation should be sufficient for most conditions.
- Local exhaust ventilation may be necessary for some operations.

C. Personal protective equipment

Respiratory protection:
- Consider warning properties before
- For most conditions, no respiratory protection should be needed ; however, If handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator use.
- In dusty atmospheres, use an approved.

Eye protection:
- Wear primary eye protection such as splash resistant safety goggles with side-shields (frame goggles).

Hand protection - Wear appropriate glove

Skin protection - Wear appropriate clothing.

Others - Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

A. Color	Not available
B. Odor	Almost Odorless
C. Odor threshold	Not available
D. pH	Not available
E. Melting point/Freezing point	180~200 / Not available
F. Initial Boiling Point/Boiling Ranges	Not available
G. Flash point	Not available
H. Evaporation rate	Not available
I. Flammability(solid, gas)	Not available
J. Upper/Lower Flammability or explosive limits	Not available
K. Vapour pressure	Not available
L. Solubility	Not available
M. Vapour density	Not available
N. Specific gravity	1.07
O. Partition coefficient of n-octanol/water	Not available
P. Autoignition temperature	Not available
Q. Decomposition temperature	Not available
R. Viscosity	Not available
S. Molecular weight	50,000~250,000

10. STABILITY AND REACTIVITY

A. Chemical stability

- This material is stable under recommended storage and handling conditions.
- Hazardous Polymerization will not occur.

B. Possibility of hazardous reactions

- Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flame.
- Avoid fire and heating above 60 for storage conditions.

C. Conditions to avoid

- Avoid contact with incompatible materials and condition.
- Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces

D. Incompatible materials

- Strong oxidizing agents

B. Engineering controls

- May emit flammable vapour if involved in fire.
- Gaseous products of degradation can be given off if the product is greatly overheated., monomers, hydrocarbons, gases/vapours, cyclic low molecular weight oligomers, oxides and hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

A. Information on the likely routes of exposure

Respiratory tracts: Not available

Oral: Not available

Eye - Skin: Not available

B. Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity

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

Dermal: Not available

Inhalation: Not available

Skin corrosion / irritation

Not available

Serious eye damage / irritation

Not available

Respiratory sensitization

Not available

Skin sensitization

Not available

Carcinogenicity

IARC: Not available

OSHA: Not available

ACGIH: Not available

NTP: Not available

EU CLP: Not available

12.ECOLOGICAL INFORMATION

A. Ecotoxcity

Fish: Not available

Crustaceans: Not available

Algae: Not available

B. Persistence and degradability

Persistence: Not available

Degradability: Not available

C. Bioaccumulative potential

Biocummulative potential: Not available

Biodegration: Not available

D. Mobility in soil

Mobility in soil: Not available

E. Other adverse effects

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

A. Disposal methods

- Must be dumped or incinerated in accordance with local regulations.
- For unused & uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaim, incinerator or other thermal destruction device.

B. Special precautions for disposal

- Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with appliance laws are the responsibility solely of the waste generator.

14. TRANSPORT INFORMATION

A. UN number, (IMDG)

Not available

B. Proper shipping name

Not available

C. IMDG Class

Not available

D. IMDG Packing group

Not available

E. Marine pollutant

Not available

F. Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods 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

15. REGULATORY INFORMATION

A. National and/or international regulatory information

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

16. OTHER INFORMATION

A. Reference

- The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.
- This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS