

1. PRODUCT IDENTIFICATION

1.1 PRODUCT IDENTIFIER

TRADE NAME Extrudr ABS

1.2 MANUFACTURER

ADRESS FD3D GmbH/Extrudr

Höchsterstraße 81 A-6972 Fußach

EMAIL info@extrudr.eu

1.3 USE OF PRODUCT

Acrylonitrile, 1.3 Butadiene, and Styrene Co-polymer, suitable for 3D printing filament

2. HAZARD IDENTIFICATION

FLAMMABILITY 1/16' HB (UL-94, File No. E-6717M)

EXTINGUISHING MEDIA Usually use water and use extinguishing media appropria-

te to surrounding conditions.

SPECIAL FIRE FIGHTING PROCEDURE Cool Containers with water spray. In closed stores, provide

fire fighter with self-contained breathing apparatus in

positive pressure mode.

USUAL FIRE AND EXPLOSION HAZARDS Irritating gases and dense smoke.

3. COMPOSITION

CHEMICAL CHARACTERISTICS ABS (Acrylonitrile-Butadiene Styrene) - 98%; Typical Anti-

oxidants - 1%; Typical Lubricants - 1%.

ADDITIONAL INFORMATION No harmful ingredients



4. FIRST-AID MEASURES

ON SKIN CONTACT Essentially nonirritating to skin but rinse with copious

water.

AFTER INHALATION 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. If necessary, apply artificial respiration and seek medical attention

immediately.

ON INGESTION If vomiting occurs, lowe the head to ease vomiting and

seek for mecial advice.

ON EYES CONTACT Immediately rinse eyes with copious amount of running

water and seek medical advice.

5. FIRE-FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA Usually use water and use extinguishing media appropria-

te to surrounding conditions.

SPECIAL EXPOSURE HAZARDS Irritating gases and dense smoke.

SPECIAL PROTECTIVE EQUIPMENT Cool Containers with water spray. In closed stores, provide

fire fighter with self-contained breathing apparatus in

positive pressure mode.

REMARK Accumulations of dust can be inflammable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Use suitable protective clothing. Avoid eye contact and

inhalation of dusts. Keep ignition sources away.

METHODS FOR CLEANING UP Sweep up material and place in a container, risk of slip-

ping. Avoid ingress of material into drainage systems.

7. HANDLING AND STORAGE

HANDLING Avoid contact with molten polymer. Avoid generation of

dust and electrostatic charge.

STORAGE Protect against moisture and UV radiation. Store cool and

keep packaging closed when not in use. Avoid sources of

ignition.



8. PERSONAL PROTECTION

TECHNICAL SAFETY MEASURES With suitable ventilation the threshold limits assumably

will not be reached. Avoid electrostatic charge by use of

grounding cables.

PERSONAL SAFETY EQUIPMENT Use adequate safety equipment, e.g. protective clothing,

eye protection glasses, heat protection gloves. In case of

dust formation wear mask with particle filter.

WORK HYGIENE No eating or drinking during working. Avoid contact of hot

material with the skin. Avoid breathing dust and vapours.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM Filament

COLOR colored

MELTING RANGE 150-210°C

OXIDISING PROPERTIES not self igniting / flammable

DENSITY 1.05 g/cm³

10. STABILITY AND REACTIVITY

STABILITY The product is stable at recommended storage contidions.

CONDITIONS TO BE AVOIDED Avoid fire and exposure to extreme heat above (60°C) and

all sources of ignition. Thermal decomposition >250°C.

SUBSTANCES TO BE AVOIDED Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, aldehydes, acetic acid,

tetrahydrofurane, low molecular weight oligomers.

11. TOXICOLOGICAL INFORMATION

LOCAL IRRITATION Dust can cause irritation of eyes, respiratory organs and

skin. After ingestion stomach pain or nausea are possible.

OTHER REMARKS Based on our state of knowledge and experience no

injurious health effects are expected if product is properly

handled for the designated use.

12. ECOLOGICAL INFORMATION

ECOTOXICAL EFFECTS No negative ecological effects known at the present state

of knowledge, test results are not available. Due to insolubility in water most probably not hazardous to aquatic

organisms.



13. DISPOSAL CONSIDERATIONS

Generation of waste should be minimised, check possibility for recycling.

14. TRANSPORT INFORMATION

TRANSPORT REGULATIONS

Not classified as hazardous under transport regulations ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee.

15. REGULATORY INFORMATION

EU REGULATIONS No Information.

16. OTHER INFORMATION

This data is based on the current state of our information and experience. This safety data sheet describes our product in terms of safety requirements. Preceding data is not applicable as a warranty of product properties. It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.

