Safety Data Sheet

According to Regulation (EC) No 1907/2006

Version	1.0 / EN
Revision date	-
Valid after	2024-08-15

1. Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

Trade name:	*abberior* FLUX 640, nanobody anti-rabbit IgG (article number: FX640-1010-50UG)
REACH No:	This product is a mixture.

1.2 Relevant identified uses and uses advised against

Fluorescent dye for physical/chemical research purposes, spectroscopy, and optical microscopy in biological and biomedical applications.

This product is sold for research and development purposes only and *must not* be used for any human or animal therapeutic, clinical diagnostic or other medical purpose. It is not intended for food, drug, household, agricultural, or cosmetic use.

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer / Distributor

Abberior GmbH

Street / PO Box

Hans-Adolf-Krebs-Weg 6

Country Code / Postal Code / City

DE – 37077 Göttingen, Germany

Contact for Technical Inquiries

info@abberior.com

Phone / Fax

+49 551 9995 4011 / +49 551 9995 4098

1.4 Emergency Telephone Numbers

Emergency Phone #:	**0800 181 7059** (CHEMTREC Germany) **+49 (0)696 43508409** (CHEMTREC worldwide)

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Labelling Elements according Regulation (EC) No 1272/2008

The product has not been fully and bindingly tested for hazards.

Hazard Statements (H-phrases)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Precautionary Statements (P-phrases)

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapors/spray .
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P235 + P410	Keep cool. Protect from sunlight.

Response:

P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+ P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
P309 + P311	IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

Storage:

P402	Store in a dry place.
P404	Store in a closed container.
P411 + P235	Store at temperatures not exceeding – 15°C.

Additional Labelling

Substance not fully tested.

2.3 Other Hazards

This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1 % or higher.

3. Composition/Information on Ingredients

3.1 Substances

No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

4.1 Description of First Aid Measures

General information: Consult a doctor. Show this safety data sheet to the attending physician.

Following Inhalation

Fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

Following Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a doctor immediately.

Following Eye Contact

Remove contact lenses. Immediately rinse with plenty of water, also under the eyelid. Proceed for at least 15 minutes. Consult an ophthalmologist.

Following Ingestion

Immediately wash your mouth with plenty of water. Consult a doctor.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

If unconscious call an emergency. Consult a poison control center (see Section 1.4) before administering an antidote.

5. Fire-Fighting Measures

5.1 Extinguishing Media

suitable: Water spray, alcohol resistant foam, dry chemical or carbon dioxide

unsuitable: full water jet

5.2 Special Hazards Arising from the Substance or Mixture

Combustible

Development of hazardous combustion gases or vapors possible in the event of fire.

5.3 Advice for Fire-Fighters

Wear self-contained breathing apparatus. Coll endangered containers with water spray from a safe distance. Defeat evolving vapors with water. Keep quench water away from drains, surface, and ground water and soil. Wear protective suit to avoid skin contact; stay in safe distance.

5.4 Further Information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear respiratory protection. Avoid dust formation. Do not breathe vapors/mist/gas/dust. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedure, consult an expert.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning up

Collect escaped material mechanically. Soak up dissolved product with inert absorbent material. Collect material in dedicated, properly labeled containers. Dispose in accordance with federal, state and local regulations. Do not dispose dissolved material into drains.

6.4 Reference to Other Sections

Personal protective equipment: see section 8

Disposal: see section 13

7. Handling and Storage

7.1 Precautions for Safe Handling

Information about safe handling

Avoid contact with eyes and skin. Avoid dust and aerosol formation.

Information about fire and explosion protection

Provide appropriate exhaust ventilation if dust is formed.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling product.

For precautions see section 2.2.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage conditions

Store the product away from moisture

The product must not be stored together with pharmaceuticals, foods and feedstuff.

Storage Stability

Store at temperatures not exceeding – 15°C.

Storage Class

Storage with pharmaceuticals, food and feed is not permitted.

7.3 Specific End Use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls / Personal Protection

8.1 Control Parameters

Ingredients with workplace control parameters.

8.2 Exposure Controls

Personal protective equipment

Respiratory Protection

Not required except in case of aerosol formation.

Skin Protection

The suitable protective gloves must meet the specification of the EC Directive 2016/425 and the standard derived from it according to EN 374.

Gloves must be inspected for damage before use. Use an appropriate removal method to avoid skin contact. Disposal of the contaminated gloves after use within the framework of legal regulations. Washing and drying the hands after work.

Eye / Face Protection

Wear face shield and/or safety goggles. Use only equipment that has been tested and approved to government standard. Need product only with standard NIOSH (US) or EN 166 (EU).

Environmental Exposure Controls

Prevent further leakage or spillage, if safe to do so. Do not empty into drains.

9. Physical and Chemical Properties

9.1 Basic Physical and Chemical Properties

Appearance:	liquid
Solubility:	PBS, water
Explosive Properties:	The product is not explosive.

9.2 Other Properties

No other properties available.

10. Stability and Reactivity

10.1 Reactivity

No reactivity with significant heat production known.

10.2 Chemical Stability

The product is chemically stable under ambient conditions (room temperature).

10.3 Possibility of Hazardous Reactions

No hazardous reactions known when used properly.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

strong oxidizer; strong acid.

10.6 Hazardous Decomposition Products

In case of fire: see section 5

11. Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

No data available.

Skin Corrosion/Irritation

No data available

Serious Eye Damage/Irritation

No data available

Respiratory or Skin Sensitisation

No data available

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity – single exposure

No data available

Specific Target Organ Toxicity – repeated exposure

No data available.

Aspiration Hazard

No data available

12. Ecological Information

12.1 Toxicity

No data available.

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB Assessment

This substance / mixture contains no components considered to be either persistent, bioaccumulate and toxic (PBT), or very persistent and very bioaccumulate (vPvB) at levels of 0,1 % or higher.

12.6 Other Adverse Effects

Not tested. No adverse are known when handled and disposed properly. Do not allow product to reach sewage system.

13. Disposal Considerations

13.1 Waste Treatment Methods

Dispose of residues and non-recyclable solutions in accordance with the Waste Directive 2008/98/EC, as well as national and regional regulations. The product should be dissolved in or mixed with a flammable solvent and burned in a chemical incinerator.

Keep only in original containers. Do not mix with other waste. Uncleaned containers or contaminated materials should be treated appropriately for the product.

14. Transport Information

14.1 UN Number

-

14.2 UN Proper Shipping Name

Not dangerous goods

14.3 Transport Hazard Class(es)

-

14.4 Packaging Group

-

14.5 Environmental Hazards

harmless

14.6 Special Precautions for User

See section 6 - 8

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Not classified. To the best of our knowledge safety, health and environmental regulations according to VO (EC) 1907/2006 are not applicable.

Water hazard class:

WGK 2, clearly hazardous to water classification according to AwSV, Annex 1 (5.2)

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

This product is intended for use only by persons with proper skills and at their own risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. The recommendations given in this data sheet are based on prudent application of professional judgment. The information is given as a guide but shall not be taken as complete. As this product may pose unknown hazards it should

be used with caution. Since Abberior GmbH cannot control the conditions of use of the product, it shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SAFETY DATA SHEET DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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