



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifiers

Product name : **ARACHIDONIC ACID**

Product Number : REF **101297**

Brand : Bio/Data Corporation

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

Identified uses:

IVD **For in vitro diagnostic use; professional laboratory use by qualified personnel only**

Laboratory chemicals. Reagent for platelet aggregation test

1.3 Details of the supplier of the safety data sheet:

Company Bio/Data Corporation
155 Gibraltar Road
Horsham, PA 19044
UNITED STATES

Telephone: +1 215 441-4000
Fax: +1 215 443-8820
Email: customer.service@biodatacorp.com
Web Site: www.biodatacorp.com

1.4 Emergency telephone

Follow laboratory blood/ infectious hazard protocol
Emergency Phone #: +1 215 441-4000 (0830 – 1630)

An ISO 13485 Registered Company

155 Gibraltar Road, Horsham, PA 19044 U.S.A.
Worldwide: (215) 441-4000 U.S.A.: (800) 257-3282 Fax Worldwide: (215) 443-8820
www.biodatacorp.com e-mail: customer.service@biodatacorp.com

SECTION 2: HAZARDS IDENTIFICATION2.1 Classification of the substance or mixture:

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

2.2 Label Elements: Not Applicable2.3 Other Hazards: None
Restricted to professional laboratory use by qualified personnel**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances

Synonyms: Arachidonic Acid, Arachidonate
5-8-11-14 Eicosatetraenoic Acid

Molecular weight: 304.50

CAS-No.: 506-32-1

EC-No.: 208-033-4

3.2 Mixtures

Component	Identifier	Classification	Concentration
Arachidonic Acid	Cas No.: 506-32-1	Not Hazardous	~ 90%

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

SECTION 4: FIRST AID MEASURES4.1 Description of first-aid measures**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Wash thoroughly eyes with plenty of water for at least 15 minutes. If irritation persist consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

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:

No further information available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

Carbon oxides, Nitrogen oxides (NO_x).

Vapors are heavier than air and may spread along floors.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information:

Forms explosive mixtures with air on intense heating.

It emits toxic fumes when burned. It emits irritating fumes if the bottles are kept open too long.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid dust formation. Avoid breathing vapors, mist or gas. Use personal protective equipment, lab coat and gloves. For personal protection see section 8.

6.2 Environmental precautions:

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers in a dry, well-ventilated area.

6.4 Reference to other sections:

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Avoid inhalation or contact with skin or eyes.
Provide appropriate ventilation at places where dust is formed.
Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.
Store in cool place. Air, light, and moisture sensitive.
Recommended storage temperature 2-8 ° C.

7.3 Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with workplace control parameters:**

It doesn't contain substances with occupational exposure limit values.

8.2 Exposure controls:

Appropriate engineering controls:

Restricted to professional laboratory by qualified personnel. Change contaminated clothing. Preventive skin protection recommended. Wash hands after use. Follow Good Laboratory Practices and policies.

Personal protective equipment:

Eye/Face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface). Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection:

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Respiratory protection is not required.

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

a)	Appearance Form	:	Lyophilized Powder Color: Off White
b)	Odor	:	No Data Available
c)	Odor Threshold	:	No Data Available
d)	pH	:	No Data Available

e)	Melting point / freezing point	:	No Data Available
f)	Initial boiling point	:	No Data Available
	and boiling range	:	No Data Available
g)	Flash point	:	No Data Available
h)	Evaporation rate	:	No Data Available
i)	Flammability (solid, gas)	:	No Data Available
j)	Upper/Lower flammability or explosive limits	:	No Data Available
k)	Vapor pressure	:	No Data Available
l)	Vapor density	:	No Data Available
m)	Relative density	:	No Data Available
n)	Water solubility	:	Insoluble
o)	Partition coefficient - n-octanol/water	:	No Data Available
p)	Autoignition temperature	:	No Data Available
q)	Decomposition temperature	:	No Data Available
r)	Viscosity	:	No Data Available
s)	Explosive properties	:	No Data Available
t)	Oxidizing properties	:	No Data Available

9.2 Other safety information:

No Other Data Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No Data Available

10.2 Chemical stability:

Stable under recommended storage conditions. It decomposes easily. Unstable at room temperature.

10.3 Possibility of hazardous reactions:

No Data Available

10.4 Conditions to avoid:

Sensitive to air, light and moisture

10.5 Incompatible materials:

Strong oxidizing agents, bases, reducing agents

10.6 Hazardous decomposition products:

Carbon Monoxide, Carbon Dioxide. In the event of fire: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects:***Acute toxicity* : DL50 intravenous - mouse - 39200 ug/kg*Skin corrosion/irritation* : No Data Available*Serious eye damage/eye irritation:* No Data Available*Respiratory or skin sensitization :* No Data Available*Germ cell mutagenicity* : No Data Available*Carcinogenicity* : IARC, ACGIH, NTP or OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity : No Data Available

Specific target organ toxicity : single exposure - No Data Available

Specific target organ toxicity : No Data Available

Aspiration hazard : No Data Available

11.2 Additional Information : RTECS: CE6675000

It may cause irritation. May be harmful by inhalation, ingestion or skin absorption.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity : No Data Available
- 12.2 Persistence and degradability : No Data Available
- 12.3 Bio accumulative potential : No Data Available
- 12.4 Mobility in soil : No Data Available
- 12.5 Results of PBT and vPvB assessment:
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects : No Data Available
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SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
- Product:* Dispose of in accordance with national and local regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated Packaging:* Dispose of as unused product.
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SECTION 14: TRANSPORT INFORMATION

- 14.0 US DOT: Not dangerous goods
- 14.1 UN number: Not subject to transport regulations
- 14.2 UN proper shipping name: Not Assigned
- 14.3 Transport hazard class(es): Not Assigned
- 14.4 Packing group: Not Assigned
- 14.5 Environmental hazards: Non-environmentally hazardous according to the dangerous goods regulations

14.6 Special precautions for user: There is no additional information.

14.7 Transport in bulk according to IMO instruments:

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations Transport Information National regulations

Additional information: (UN RTDG) Not subject to transport regulations.

UN RTDG International Maritime Dangerous Goods Code: (IMDG) –

Additional information: Not subject to IMDG.

International Civil Aviation Organization: (ICAO-IATA/DGR) –

Additional information: Not subject to ICAO-IATA.

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2008.

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

No Data Available

15.2 Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 Hazards

No SARA Hazards

California Prop 65 COMPONENTS:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Massachusetts Right to Know Components:

No components are subject to the Massachusetts Right to Know Act

New Jersey Right to Know Components

Arachidonic Acid, CAS No 506-32-1

Pennsylvania Right to Know Components

Arachidonic Acid, Cas No 506-32-1

SECTION 16: OTHER INFORMATION

Restrictions on use: No Data Available

Advice: No Data Available

Literary Reference: No Data Available

Further information:

Preparation Date: April 1, 2023

Revision Level and Date: Revision A, February 1, 2024

Abbreviations and Acronyms:

SDS:	Safety Data Sheet
PBT:	Persistence, Bioaccumulation, Toxicity
vPvB:	Very persistent and very bio accumulative
STOT	specific target organ toxicity
SCBA:	Self-contained breathing apparatus
ADR:	Agreement concerning the carriage of dangerous goods by road
RID	Regulation concerning the international carriage of dangerous goods by rail
IMDG	International Maritime Dangerous Goods code
IATA	International air transport organization
DOT	US Department of Transportation
ANSI	American National Standards Institute
OSHA	Occupational Safety & Health Administration (US)

Information related to the Regulation EC/1272/2008

This product is intended for **IN VITRO diagnostic use only**. NOT FOR INJECTION OR INGESTION. The information herein is believed to be correct as of the date hereof and excludes any guarantee related with the final use given to the product, being the recipient the last responsible for observing the local laws applicable in each case.