

Safety Data Sheet

Total Antioxidant Capacity Microplate Assay Kit

Cat#: orb390817

1 - Product Information

1.1 Product identifier

Product Name: Total Antioxidant Capacity Microplate Assay Kit

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

Identified uses: For research use only

2 - Composition/Information on Ingredient

This product contains the following components and mixture of the following substances with non-hazardous additions.

Ferrous sulfate (CAS: 7782-63-0)

Ammonium acetate (CAS: 631-61-8)

Sodium phosphate dibasic dodecahydrate (CAS: 10039-32-4)

Sodium phosphate monobasic dihydrate (CAS: 13472-35-0)

3 - Hazards Identification

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

Prevention

P261 Avoid breathing dust/ fume/ gas/ mist/ vapor/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection. Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4 - First Aid Measures

Eye Contact: Irrigate with copious amounts of fresh water.

Skin Contact: Wash with clean water or soap and water.

Inhalation: Move to an outside area and breath fresh air. Clear the nose by blowing.

Ingestion: Flush out the mouth with water and drink copious amounts of fresh water. Seek medical advice.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical power or appropriate foam.

Prevent contact with skin and eyes.

6 - Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Spilled material should be carefully wiped up with water and removed.

7 - Handling and Storage

Keep receptacles tightly sealed and store according to the instructions in the assay protocol.

8 - Exposure Controls

Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

9 - Physical and Chemical Properties

Refer to 2. Composition/Information on Ingredients.

10 - Stability and Reactivity

STABILITY: Stable under normal handling procedures.

11 - Toxicological Information

The toxicology of this material has not been fully tested.

12 - Ecological Information

Data not yet available.

13 - Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide buildup in drains.

14 - Transport Information

DOT (US) - Not dangerous goods.

IMDG - Not dangerous goods.

IATA - Not dangerous goods.

15 - Regulatory Information

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

Major Accident Hazard Legislation 96/82/EC - Directive 96/82/EC does not apply

SEVESO III - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer - not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC - not regulated

Substances of very high concern (SVHC)

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

National legislation

Storage class 10 - 13

The data applies to the entire pack.

15.2 Chemical safety assessment

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

16 - Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Biorbyt shall not be held liable for any damage resulting from handling or from contact with the above product.