

Revision date 26-Oct-2021

Revision Number 1

1. IDENTIFICATION

Product identifier

Product Name ELISA IgM REDUCING ASSAY DILUENT - #10376

Other means of identification

Safety data sheet number 10376

Registration Number(s) No information available

Recommended use of the chemical and restrictions on use

Recommended use For research use only

Supplier's details

Corporate Headquarters

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Manufacturer

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Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC India: 000-800-100-7141
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Serious eye damage/eye irritation

Category 1

GHS Label elements, including precautionary statements



Signal word

Danger

Hazard statements

Causes serious eye damage

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response**Eyes**

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

Immediately call a POISON CENTER or doctor

Other hazards which do not result in classification

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture

| Chemical name | CAS No | Weight-% |
|---|------------|----------|
| Sodium metabisulfite 7681-57-4 | 7681-57-4 | 4.75 |
| Glycine, N,N-1,2-ethanediylbis[N-(carboxymethyl)-, disodium salt, dihydrate 6381-92-6 | 6381-92-6 | 1.46 |
| Sodium azide 26628-22-8 | 26628-22-8 | 0.1 |

4. FIRST AID MEASURES**Description of necessary first aid measures****General advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Eye contact

Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

For emergency responders**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed**Symptoms**

Burning sensation.

Indication of immediate medical attention and special treatment needed, if necessary**Note to physicians**

Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

| Chemical name | ACGIH TLV | | OSHA PEL | Ontario | European Union |
|-----------------------------------|--|---|----------------------------------|--|--|
| Sodium metabisulfite 7681-57-4 | TWA: 5 mg/m³ | | (vacated) TWA: 5 mg/m³ | TWA: 5 mg/m³ | - |
| Sodium azide 26628-22-8 | Ceiling: 0.29 mg/m³ Sodium azide Ceiling: 0.11 ppm Hydrazoic acid vapor | (vacated) S* (vacated) Ceiling: 0.1 ppm HN3 (vacated) Ceiling: 0.3 mg/m³ NaN3 | CEV: 0.29 mg/m³ CEV: 0.11 ppm | TWA: 0.1 mg/m³ STEL: 0.3 mg/m³ * | |
| Chemical name | China | Japan Society of Occupational Health | Korea | Australia | Taiwan |
| Sodium metabisulfite 7681-57-4 | - | - | TWA: 5 mg/m³ | 5 mg/m³ | - |
| Sodium azide 26628-22-8 | Ceiling: 0.3 mg/m³ Ceiling | - | Ceiling: 0.29 mg/m³ | 0.11 ppm Peak 0.3 mg/m³ Peak | Ceiling: 0.11 ppm Ceiling: 0.29 mg/m³ |

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tight sealing safety goggles.

Skin and body protection

Wear suitable protective clothing.

Hand protection

Wear suitable gloves.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties**Physical state**

Liquid

Appearance

Clear to semi-clear

Colour

clear or white

Odour

No information available

Odour threshold

No information available

Property**Values****Remarks • Method****pH**

No information available

Melting point / freezing point

No information available

Boiling point / boiling range

No information available

Flash point

No information available

Evaporation rate

No information available

Flammability (solid, gas)

No information available

Upper/lower flammability or explosive limits

Upper flammability or explosive limits Not applicable

Lower flammability or explosive limits Not applicable

Vapour pressure

No information available

Vapour density

No information available

Relative density

No information available

Solubility(ies)**Water solubility**

Soluble in water

Solubility in other solvents

No information available

Partition coefficient

No information available

Autoignition temperature

No information available

Decomposition temperature

No information available

Viscosity**Kinematic viscosity**

No information available

Dynamic viscosity**Other information****Oxidising properties**

Not applicable

10. STABILITY AND REACTIVITY**Reactivity****Reactivity**

No information available.

Chemical stability**Stability**

Stable under normal conditions.

Explosion data**Sensitivity to mechanical impact** None**Sensitivity to static discharge** None.**Possibility of hazardous reactions****Possibility of hazardous reactions** None under normal processing.**Conditions to avoid****Conditions to avoid**

None known based on information supplied.

Incompatible materials**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Metals.

Hazardous decomposition products**Hazardous decomposition products** None known based on information supplied.**11. TOXICOLOGICAL INFORMATION****Information on the likely routes of exposure****Product Information****Inhalation**

Specific test data for the substance or mixture is not available.

Eye contact

Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact

Specific test data for the substance or mixture is not available. May cause irritation.

Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms

Redness. Burning. May cause blindness.

Acute toxicity**Numerical measures of toxicity****Oral LD50**

No information available

Dermal LD50

No information available

Inhalation LC50

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 24,111.60 mg/kg**ATEmix (dermal)** 42,147.40 mg/kg**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------|----------------------|---|-----------------|
| Sodium metabisulfite | = 1310 mg/kg (Rat) | > 2000 mg/kg (Rat) > 2 g/kg (Rat) | - |
| Sodium azide | = 27 mg/kg (Rat) | = 20 mg/kg (Rabbit) = 50 mg/kg (Rat) | - |

Delayed and immediate effects and also chronic effects from short and long term exposure**Skin corrosion/irritation** May cause skin irritation.**Serious eye damage/irritation** Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.**Respiratory or skin sensitization** No information available.**Germ cell mutagenicity** No information available.**Carcinogenicity** No information available.

| Chemical name | IARC |
|----------------------|---------|
| Sodium metabisulfite | Group 3 |

Reproductive toxicity No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Target organ effects** Respiratory system, Eyes, Skin.**Aspiration hazard** No information available.**12. ECOLOGICAL INFORMATION****Toxicity**

1E-05 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|----------------------|--|--|--|
| Sodium metabisulfite | EC50: =40mg/L (96h, <i>Desmodesmus subspicatus</i>) EC50: =48mg/L (72h, <i>Desmodesmus subspicatus</i>) | LC50: =32mg/L (96h, <i>Lepomis macrochirus</i>) | EC50: =89mg/L (24h, <i>Daphnia magna</i> Straus) |
| Sodium azide | - | LC50: =0.7mg/L (96h, <i>Lepomis macrochirus</i>) LC50: =0.8mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =5.46mg/L (96h, <i>Pimephales promelas</i>) | - |

Persistence and degradability

No information available.

Bioaccumulative potential

There is no data for this product.

Mobility

Mobility in soil No information available.

Mobility No information available.

| Chemical name | Partition coefficient |
|----------------------|-----------------------|
| Sodium metabisulfite | -3.7 |

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

IMDG Not regulated
Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

IATA Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

Special precautions for user Special provisions from the regulations relative to the specified mode of transport are noted by numeric code. Refer to the regulations for the full text of special provisions.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture**International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status

16. OTHER INFORMATION

Prepared By Bio-Rad Laboratories, Environmental Health and Safety

Revision date 26-Oct-2021

Revision Note *** Indicates this information has changed since the previous revision.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| C | Carcinogen | | |

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet