

Safety Data Sheet acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

1 Identification

- **Product identifier**
- **Trade name:** GOAT F(AB')₂ FRAGMENT TO MOUSE COMPLEMENT C3
- **Article number:** 55474
- **Application of the substance / the mixture** For Research Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
United States
www.mpbio.com
- **Information department:** Quality Control Department
- **Emergency telephone number:** CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture: consisting of the following components.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

Trade name: GOAT F(AB')2 FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 1)

· Dangerous components:

| | | |
|---|------------------------------------|--------|
| CAS: 7558-79-4 EINECS: 231-448-7 RTECS: WC4500000 | Sodium Phosphate Dibasic Anhydrous | 10-50% |
|---|------------------------------------|--------|

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Flush eyes with running water as a precaution.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:

| | | |
|------------|--------------|-------------------------|
| 26628-22-8 | Sodium Azide | 0.026 mg/m ³ |
|------------|--------------|-------------------------|

· PAC-2:

| | | |
|------------|--------------|------------------------|
| 26628-22-8 | Sodium Azide | 0.29 mg/m ³ |
|------------|--------------|------------------------|

· PAC-3:

| | | |
|------------|--------------|-----------------------|
| 26628-22-8 | Sodium Azide | 5.3 mg/m ³ |
|------------|--------------|-----------------------|

US
(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

Trade name: GOAT F(AB')2 FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 2)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special requirements.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** 2-8°C
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Further information about storage conditions:**
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see Section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

| | |
|---------------|------------------------------------|
| Form: | Lyophilized powder |
| Color: | According to product specification |
- **Odor:** Indeterminate
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

Trade name: GOAT F(AB')2 FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 3)

| | |
|---|---|
| · Change in condition Boiling point/Boiling range: | Undetermined. |
| · Flash point: | Not applicable. |
| · Flammability (solid, gaseous): | Not determined. |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | See section 10 |
| · Explosion limits: Lower: Upper: | Not Applicable Not Applicable |
| · Vapor pressure: | Not applicable. |
| · Density: · Relative density · Vapor density · Evaporation rate | Not Applicable Not determined. Not applicable. Not applicable. |
| · Solubility in / Miscibility with · Water: | Not Determined Not determined. Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: Dynamic: Kinematic: | Not applicable. Not applicable. |
| · Solvent content: VOC content: | 0.00 % |
| Solids content: · Other information | 100.0 % No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**
No further relevant information available.
Avoid contact with acids. Contact liberates a toxic gas.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

Trade name: GOAT F(AB')₂ FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 4)

· **LD/LC50 values that are relevant for classification:**

26628-22-8 Sodium Azide

| | | |
|------|------|---------------|
| Oral | LD50 | 5 mg/kg (ATE) |
|------|------|---------------|

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** Irritant and potentially harmful

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Can not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Discard must be made according to official regulations.

US

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2020

Reviewed on 07/31/2020

Trade name: GOAT F(AB')2 FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 5)

14 Transport information

| | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | Not regulated |
| · UN proper shipping name | |
| · DOT, ADR, IMDG, IATA | Not regulated |
| · Transport hazard class(es) | |
| · DOT, ADR, IMDG, IATA | |
| · Class | Not regulated |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not regulated |

15 Regulatory information

| | | |
|---|------------------------------------|--------|
| · Safety, health and environmental regulations/legislation specific for the substance or mixture | | |
| · Sara | | |
| · Section 355 (extremely hazardous substances): | | |
| None of the ingredients is listed. | | |
| · Section 313 (Specific toxic chemical listings): | | |
| None of the ingredients is listed. | | |
| · TSCA (Toxic Substances Control Act): | | |
| 7647-14-5 | Sodium Chloride | ACTIVE |
| 7558-79-4 | Sodium Phosphate Dibasic Anhydrous | ACTIVE |
| 7558-80-7 | Sodium Phosphate Monobasic | ACTIVE |
| 26628-22-8 | Sodium Azide | ACTIVE |
| · Hazardous Air Pollutants | | |
| None of the ingredients is listed. | | |
| · Proposition 65 | | |
| · Chemicals known to cause cancer: | | |
| None of the ingredients is listed. | | |
| · Chemicals known to cause reproductive toxicity for females: | | |
| None of the ingredients is listed. | | |
| · Chemicals known to cause reproductive toxicity for males: | | |
| None of the ingredients is listed. | | |
| · Chemicals known to cause developmental toxicity: | | |
| None of the ingredients is listed. | | |

(Contd. on page 7)

Safety Data Sheet

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Trade name: GOAT F(AB')2 FRAGMENT TO MOUSE COMPLEMENT C3

(Contd. of page 6)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Quality Control Dept.

- **Date of preparation / last revision** 07/31/2020 / -

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