

## Safety Data Sheet acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

### 1 Identification

- **Product identifier**
- **Trade name:** Sodium Diatrizoate
- **Article number:** 102908
- **CAS Number:**  
737-31-5
- **EC number:**  
212-004-1
- **Molecular Formula** C11 H8 I3 N2 O4 Na
- **Molecular Weight** 635.92
- **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**



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
Sodium Diatrizoate
- **Hazard statements**  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 1)

### · **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

[In case of inadequate ventilation] wear respiratory protection.

If on skin: Wash with plenty of water.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If experiencing respiratory symptoms: Call a poison center/doctor.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### · **Classification system:**

#### · **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 0

Reactivity = 0

#### · **HMIS-ratings (scale 0 - 4)**



Health = \*1

Fire = 0

Reactivity = 0

### · **Other hazards**

#### · **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

### · **Chemical characterization: Substances**

#### · **CAS No. Description**

737-31-5 Sodium Diatrizoate

#### · **Identification number(s)**

· **EC number:** 212-004-1

## 4 First-aid measures

### · **Description of first aid measures**

#### · **After inhalation:**

Supply fresh air and to be sure call for a doctor.

If breathed in, supply fresh air. If not breathing, give artificial respiration. Consult a Doctor.

#### · **After skin contact:** Wash off with soap and plenty of water. Consult a Doctor.

#### · **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.

US  
(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 2)

### 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, dispose contaminated material as waste according to Section 13.  
Ensure adequate ventilation.
- **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**

· <b>PAC-1:</b>
Substance is not listed.
· <b>PAC-2:</b>
Substance is not listed.
· <b>PAC-3:</b>
Substance is not listed.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace. Avoid direct contact with skin and eyes.
- **Information about protection against explosions and fires:** No special requirements.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** 15-30°C
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Further information about storage conditions:** Protect from exposure to the light.
- **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:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 3)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

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.
- **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:

<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Indeterminate
<b>Odor threshold:</b>	Not determined.

· **pH-value:** Not applicable.

#### · Change in condition

**Boiling point/Boiling range:** ? °C

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Product is not flammable.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** See section 10

#### · Explosion limits:

<b>Lower:</b>	Not Applicable
<b>Upper:</b>	Not Applicable

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 4)

· <b>Vapor pressure:</b>	Not applicable.
· <b>Density:</b>	Not Applicable
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Not Determined Soluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>VOC content:</b>	0.00 %
<b>Solids content:</b>	100.0 %
· <b>Other information</b>	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:

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

737-31-5 Sodium Diatrizoate

Oral LD50 &gt;7,000 mg/kg (rat)

#### · Primary irritant effect:

· **on the skin:** No irritant effect.· **on the eye:** Irritant and potentially harmful

#### · Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

#### · Additional toxicological information:

#### · Carcinogenic categories

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

Substance is not listed.

(Contd. on page 6)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 5)

<ul style="list-style-type: none"> <li>· <b>NTP (National Toxicology Program)</b></li> </ul>
<ul style="list-style-type: none"> <li>Substance is not listed.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b></li> </ul>
<ul style="list-style-type: none"> <li>Substance is not listed.</li> </ul>

## 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 together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Discard must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleaning agents.

## 14 Transport information

- |  |               |
|--|---------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> </ul>   | void          |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>                         | Not regulated |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> </ul>                           | void          |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>                         | Not regulated |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> </ul>                        | void          |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Not regulated |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> </ul>                                     | void          |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>                              | Not regulated |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> </ul>                            |               |
| <ul style="list-style-type: none"> <li>· <b>Marine pollutant:</b></li> </ul>                                 | No            |

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

Trade name: Sodium Diatrizoate

(Contd. of page 6)

- |  |                        |
|--|------------------------|
| <i>· Special precautions for user</i>  | <i>Not applicable.</i> |
| <i>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</i> | <i>Not applicable.</i> |
| <i>· UN "Model Regulation":</i>  | <i>Not regulated</i>   |

## 15 Regulatory information

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

- Sara*

- Section 355 (extremely hazardous substances):*

*Substance is not listed.*

- Section 313 (Specific toxic chemical listings):*

*Substance is not listed.*

- TSCA (Toxic Substances Control Act):*

*Substance is not listed.*

- Hazardous Air Pollutants*

*Substance is not listed.*

- Proposition 65*

- Chemicals known to cause cancer:*

*Substance is not listed.*

- Chemicals known to cause reproductive toxicity for females:*

*Substance is not listed.*

- Chemicals known to cause reproductive toxicity for males:*

*Substance is not listed.*

- Chemicals known to cause developmental toxicity:*

*Substance is not listed.*

- Carcinogenic categories*

- EPA (Environmental Protection Agency)*

*Substance is not listed.*

- TLV (Threshold Limit Value established by ACGIH)*

*Substance is not listed.*

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

*Substance is not listed.*

- GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS).*

- Hazard pictograms*



GHS08

- Signal word Danger*

- Hazard-determining components of labeling:*

*Sodium Diatrizoate*

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/24/2020

Reviewed on 08/20/2020

**Trade name: Sodium Diatrizoate**

(Contd. of page 7)

- **Hazard statements**

*May cause allergy or asthma symptoms or breathing difficulties if inhaled.*

*May cause an allergic skin reaction.*

- **Precautionary statements**

*Avoid breathing dust/fume/gas/mist/vapors/spray*

*Contaminated work clothing must not be allowed out of the workplace.*

*Wear protective gloves.*

*[In case of inadequate ventilation] wear respiratory protection.*

*If on skin: Wash with plenty of water.*

*If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.*

*If skin irritation or rash occurs: Get medical advice/attention.*

*Specific treatment (see on this label).*

*If experiencing respiratory symptoms: Call a poison center/doctor.*

*Wash contaminated clothing before reuse.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **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** 08/24/2020 / -

- **Abbreviations and acronyms:**

*Resp. Sens. 1: Respiratory sensitisation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*