



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Sodium Glutamate

Revision 1
Revision date 2018-09-21

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|--------------|------------------|
| Product name | Sodium Glutamate |
| CAS No. | 6106-04-3 |
| EC No. | 205-538-1 |
| Product code | NCM0181, LAB080B |

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

| | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent; |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------|----------------------------------------------|
| Company | Neogen Corporation |
| Address | 620 Leshler Place Lansing MI 48912 USA |
| Web | www.neogen.com |
| Telephone | 517-372-9200/800-234-5333 |
| Email | SDS@neogen.com |

1.4. Emergency telephone number

| | |
|----------------------------|----------------|
| Emergency telephone number | 1-800-234-5333 |
|----------------------------|----------------|

Further information

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufactured By: | Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A. |
| Hotline(s): | Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887). |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---------------------------------------------|
| 2.1.2. Classification - EC 1272/2008 | The product is classified as non hazardous. |
|--------------------------------------|---------------------------------------------|

2.2. Label elements

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Statement | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation). No Significant Hazard |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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2.3. Other hazards

| | |
|---------------|----------------------------------------------------|
| Other hazards | This product is not identified as a PBT substance. |
|---------------|----------------------------------------------------|

SECTION 3: Composition/information on ingredients

3.1. Substances

| | |
|--|------------------------|
| | No Significant Hazard. |
|--|------------------------|

3.2. Mixtures

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | In case of accident by inhalation: remove casualty to fresh air and keep at rest. |
| Eye contact | Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. |
| Ingestion | Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------|---------------------------------------------|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | May cause irritation to eyes. |
| Skin contact | May cause irritation to skin. |
| Ingestion | Ingestion may cause nausea and vomiting. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|--------------|--------------------------------------------------------------------------|
| Inhalation | Seek medical attention if irritation or symptoms persist. |
| Eye contact | Seek medical attention if irritation or symptoms persist. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion | If you feel unwell, seek medical advice (show the label where possible). |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|----------------------------------------------------------------------------------------|
| | Use as appropriate: Carbon dioxide (CO ₂), Alcohol resistant foam, Powder. |
|--|----------------------------------------------------------------------------------------|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---------------------------------------------------------|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---------------------------------------------------------|

5.3. Advice for firefighters

| | |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|------------------------------------------|
| | No precautions required to be mentioned. |
|--|------------------------------------------|

6.2. Environmental precautions

| | |
|--|-------------------------------------------------------------------------------------|
| | Do not empty into drains; dispose of this material and its container in a safe way. |
|--|-------------------------------------------------------------------------------------|

6.3. Methods and material for containment and cleaning up

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6.3. Methods and material for containment and cleaning up

Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.

6.4. Reference to other sections

See section 8 & 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 2 °C and 30 °C. Keep only in the original container. Keep container tightly closed and dry. Protect from moisture.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Not normally required. Use as appropriate:.

Eye / face protection

safety glasses with side-shields.

Skin protection - Handprotection

Chemical resistant gloves.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

No data is available on this product.

8.2.3. Environmental exposure controls

Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|-------------------|
| Appearance | Solid |
| Colour | Light yellow |
| Odour | Characteristic |
| Relative density | No data available |
| Fat Solubility | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Odour threshold | Not applicable. |
| pH | 6.7 - 7.2 |
| Melting point | 225 °C |
| Freezing Point | No data available |
| Initial boiling point | No data available |
| Flash point | 225 °C |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | Not applicable. |
| Vapour density | Not applicable. |
| Solubility | Soluble in water |

9.2. Other information

| | |
|-----------------------------------------|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | Not applicable. |
| Benzene Content | No data available |
| Lead content | No data available |
| VOC (Volatile organic compounds) | No data available |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|------------------------------------------------------------------------|
| | Stable under normal conditions. See section 7 for further information. |
|--|------------------------------------------------------------------------|

10.2. Chemical stability

| | |
|--|-------------------------------------------------------|
| | Will not decompose if stored and used as recommended. |
|--|-------------------------------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|--------------------------------------------------------------------------|
| | No precautions required to be mentioned. Stable under normal conditions. |
|--|--------------------------------------------------------------------------|

10.4. Conditions to avoid

| | |
|--|------------------------------------------|
| | No precautions required to be mentioned. |
|--|------------------------------------------|

10.5. Incompatible materials

| | |
|--|------------------------------------------|
| | No precautions required to be mentioned. |
|--|------------------------------------------|

10.6. Hazardous decomposition products

| | |
|--|---------------------------------------------------------------------------------------------------------|
| | Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke. |
|--|---------------------------------------------------------------------------------------------------------|

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| | |
|-----------------------------------|------------------------------------------------------------------------------------------------|
| Acute toxicity | No data is available on this product. See section 3 for further information. |
| Skin corrosion/irritation | May cause irritation to skin. See section 3 for further information. |
| Serious eye damage/irritation | May cause irritation to eyes. See section 3 for further information. |
| Respiratory or skin sensitisation | May cause sensitisation by inhalation and skin contact. See section 3 for further information. |
| Germ cell mutagenicity | No data is available on this product. |
| Carcinogenicity | No data is available on this product. |
| Reproductive toxicity | No data is available on this product. |
| STOT-single exposure | No data is available on this product. |
| STOT-repeated exposure | No data is available on this product. |
| Aspiration hazard | No data is available on this product. See section 3 for further information. |
| Repeated or prolonged exposure | No data is available on this product. See section 3 for further information. |

11.1.2. Mixtures

| | |
|--|----------------------------------------|
| | See section 3 for further information. |
|--|----------------------------------------|

11.1.3. Hazard Information

| | |
|--|----------------------------------------|
| | See section 3 for further information. |
|--|----------------------------------------|

11.1.4. Toxicological Information

| | |
|------------------|----------------------------|
| Sodium Glutamate | Oral Rat LD50: 15800 mg/kg |
|------------------|----------------------------|

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.5. Hazard Class

| | |
|--|------------------------|
| | No Significant Hazard. |
|--|------------------------|

11.1.6. Classification Criteria

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

11.1.7. Information on likely routes of exposure

| | |
|--|---------------------------|
| | Skin contact. Inhalation. |
|--|---------------------------|

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.10. Interactive effects

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.11. Absence of specific data

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.12. Mixture versus substance information

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

11.1.13. Other information

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

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SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Sodium Glutamate No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.

Disposal of packaging

Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations. Do NOT reuse empty containers.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulations | COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
| Revision | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - EC No. 3 - 3.1. Substances. 3 - 3.2. Mixtures. 9 - 9.1. Information on basic physical and chemical properties (Appearance). 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (Odour). 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point). 9 - 9.1. Information on basic physical and chemical properties (Melting point). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)). 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature). 9 - 9.1. Information on basic physical and chemical properties (Explosive properties). 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties). 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 9 - 9.1. Information on basic physical and chemical properties (Relative density). 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Vapour density). 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate). 9 - 9.1. Information on basic physical and chemical properties (Freezing Point). 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility). 9 - 9.1. Information on basic physical and chemical properties (Solubility). 9 - 9.1. Information on basic physical and chemical properties (Odour threshold). 9 - 9.2. Other information (Conductivity). 9 - 9.2. Other information (Partition coefficient). |

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Other information

| | |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Surface tension). 9 - 9.2. Other information (Benzene Content). 9 - 9.2. Other information (Product Subcategory). 9 - 9.2. Other information (Lead content). 11 - 11.1.4. Toxicological Information. 12 - 12.1. Toxicity. 16 - Maximum content of VOC.</p> |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|