

Revision: 1.1

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Section 1. Identification

1.1 Product Identifier 0598

Product Name SODIUM FORMATE pure

CAS Number 141-53-7

REACH Registration No 01-2119486468-21-XXXX

Molecular Formula $\text{CHNaO}_2 = 68.01$

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Not classified as hazardous.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Not classified as hazardous.

Section 3. Composition

3.1 Substances

Not classified as hazardous.

Section 4. First Aid

4.1 Description of first aid measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open.

| | |
|--------------------------------------|--|
| Skin | Wash off skin thoroughly with water. |
| Inhalation | Remove from exposure. |
| Ingestion | If conscious wash out mouth with water. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

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

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

| | |
|---------------------|--|
| Extinguishing Media | Water spray, alcohol resistant foam, dry powder or carbon dioxide. |
| Unsuitable Media | Nothing specified. |

5.2 Special hazards arising from the substance or mixture

| | |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

5.3 Advice for firefighters

| | |
|-------------------------|---|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|---|

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|-----------------------|
| Personal Protection | Avoid breathing dust. |
|---------------------|-----------------------|

6.2 Environmental precautions

| | |
|---------------|---|
| Environmental | Keep material out of sewers, storm drains, surface waters and soil. |
|---------------|---|

6.3 Methods and material for containment and cleaning up

| | |
|----------------|---|
| Major Spillage | Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. |
| Minor Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

- Avoid the formation or spread of dust in the air.
- Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Exposure data source(s) No hazardous components.

8.2 Exposure controls

| | |
|------------------------|---|
| Respiratory Protection | Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum. |
| Hand Protection | Wear gloves. |
| Eye Protection | Use safety glasses with side shields. |
| Skin Protection | If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards | No special precautions required. |

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------------------|
| Appearance | Colourless crystals or white powder. |
| Odour | No specific odour. |
| pH | Not applicable |
| Boiling Point | Not applicable |
| Melting Point | 260°C Approx. |
| Flash Point | Not applicable |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | No. |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | 1.9200 |
| Water Solubility | Completely soluble in water. |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

| | |
|---|---|
| 10.1 Reactivity | No data available. |
| 10.2 Chemical Stability | Stable under normal conditions but absorbs moisture from the air. |
| 10.3 Possibility of hazardous reactions | No data available. |
| 10.4 Conditions to Avoid | Hygroscopic; protect from moisture. |
| 10.5 Incompatible Materials | Strong oxidising agents. Strong Acids. |
| 10.6 Hazardous Decomposition Products | None unusual. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|-----------------|---|
| Eyes | There may be mild irritation at the site of contact. |
| Skin | Not expected to be a primary skin irritant. |
| LD50 Skin | Not available |
| Ingestion | Not considered harmful. |
| LD50 Oral | 11200mg/kg Mouse |
| Inhalation | Inhalation of dust may produce irritation of the respiratory tract. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |

| | |
|----------------------|---|
| Reproductive Effects | None identified. |
| Other Information | To the best of our knowledge, the chemical, physical, & toxicological properties have not been thoroughly investigated. |

Section 12. Ecological

| | |
|--|---|
| 12.1 Toxicity | No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. |
| LC50 Algal | 790mg/kg Green algae (96 hours) |
| LC50 Crustacea | >1000mg/kg Daphnia magna (24 hours) |
| LC50 Fish | >954mg/kg Fathead minnow (Pimephales promelas) (96 hours) |
| 12.2 Persistence and degradability | No data available. |
| 12.3 Bioaccumulative potential | No data available. |
| 12.4 Mobility in soil | No data available. |
| 12.5 Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|---|
| Disposal Methods | Use a licensed waste disposer. |
| Contaminated Packaging | Very carefully wash out containers with water. Use a licensed waste disposer. |

Section 14. Transport Information

| | |
|--|----------------------------------|
| 14.1 UN Number | Non-restricted |
| 14.2 Proper Shipping Name | Non-restricted |
| 14.3 Transport classes | |
| UN classification | None |
| Subsidiary hazard(s) | None |
| Transport category | None |
| ADR Hazard ID | Non-restricted |
| Tunnel Restriction Code | Non-restricted |
| 14.4 Packing Group | None |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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