Globex VENTURE

310, Nakshtra 5, Sadhu Vasvani Road,
Rajkot – (360005), Gujarat, India.
Contact: +91 92270 07600
+91 76003 86854

SODIUM CITRATE DIHYDRATE
Material Safty Data Sheet (MSDS)

SECTION 1: Identification

1.1. Identification Product form : Substance

Substance name: Sodium Citrate, Dihydrate
CAS-No. : 6132-04-3
Formula: C6H5Na3O7·2H2O

1.2. Recommended use and restrictions on use Use of the substance/mixture : manufacturing use only.

1.3. Supplier

Globex Venture
310, Nakshtra 5, Sadhuvasvani road,
Rajkot (360005), Gujarat, India.

SECTION 2: Hazard(s) identification

2.1. **Classification of the substance or mixture**
GHS-US classification
Not classified

2.2. GHS Label elements, including precautionary statements
Not classified as a hazardous chemical. Other hazards not contributing to the classification: None.

2.3. **Unknown acute toxicity (GHS US)**
Not applicable

SECTION 3: Composition/Information on ingredients

Substances
3.1 CAS No. 6132-04-3
3.2 Name:- sodium citrate dehydrate
3.3 Molecular weight: approx 258 - 294 1.5
3.4 EINECS No.: 200-675-3

SECTION 4: First-aid measures

4.1. Description of first aid measures

1. First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

2. First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

3. First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

4. First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

5. First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures: Wash contaminated clothing before reuse

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Protect from moisture. Keep container closed when not in use
Incompatible products: Strong oxidizers.
Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters No additional information available

8.2. Appropriate engineering controls

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation to minimize dust concentrations

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment: Safety glasses.
Eye protection: Chemical goggles or safety glasses
Respiratory protection:
Dust formation: dust mask
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance: Powder.
- Color : white
- Odor : Mild odour
- Odor threshold : No data available
- pH : 7 - 9 5% solution
- Melting point : 150 °C
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas): Non flammable.
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available
- Specific gravity / density : 1.7 g/cm³
- Molecular mass : 294.1 g/mol
- Solubility: Soluble in water.

- Soluble in glycerol. Water: 72 g/100ml
- Log Pow: No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity, kinematic : Not applicable
- Viscosity, dynamic : Not applicable
- Explosion limits : No data available
- Explosive properties: No data available.
- Oxidizing properties: None.

9.2. Other information No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity No additional information available
10.2. Chemical stability Stable under normal conditions.
10.3. Possibility of hazardous reactions not established.
10.4. Conditions to avoid Incompatible materials.
10.5. Incompatible materials Strong oxidizers.
10.6. Hazardous decomposition products fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure: Inhalation;
Skin and eye contact Acute toxicity: Not classified

Sodium Citrate, Dihydrate (6132-04-3)
LD50 oral rat 6730 mg/kg
ATE US (oral) 6730 mg/kg body weight
Skin corrosion/irritation: Not classified
(Based on available data, the classification criteria are not met) pH: 7 -
Serious eye damage/irritation: Not classified
(Based on available data, the classification criteria are not met) pH: 7 - 9
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity – single exposure: Not classified Specific
target organ toxicity – repeated exposure: Not classified
Aspiration hazard: Not classified
Potential Adverse human health effects and symptoms: Based on available data, the classification criteria a`re not met

SECTION 12: Ecological information

12.1. Toxicity Sodium Citrate, Dihydrate (6132-04-3)
EC50 Daphnia 1 655 - 825.9 mg/l
12.2. Persistence and degradability Sodium Citrate, Dihydrate (6132-04-3)
Persistence and degradability Not established.
12.3. Bioaccumulative potential Sodium Citrate, Dihydrate (6132-04-3)
Bioaccumulative potential Not established.
12.4. Mobility in soil No additional information available
12.5. Other adverse effects
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

As per IATA guideline, sodium citrate powder non-regulated during transport by Air or Sea.

SECTION 15: Regulatory information

15.1. US Federal regulations Sodium Citrate, Dihydrate (6132-04-3) Listed on the United States TSCA (Toxic Substances Control Act) inventory All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations CANADA Sodium Citrate, Dihydrate (6132-04-3) Listed on the Canadian DSL (Domestic Substances List) EU-Regulations No additional information available National regulations Sodium Citrate, Dihydrate (6132-04-3) Not listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

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SECTION 16: Other information

Revision date:	31/12/2024
Other information:	None.
NFPA health hazard:	0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard:	0 - Materials that will not burn under typical dire conditions , including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity:	0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating

Health:	Minimal Hazard - No significant risk to health
Flammability:	Minimal Hazard - Materials that will not burn
Physical:	Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection:	A A - Safety glasses Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made And Globex Venture assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application