



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

✉ sales@ultrapurelab.com / info@ultrapurelab.com

☎ / 📠 +91 7058322540 / +91 7378378726

🌐 www.ultrapurelab.com

MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

1. Identification

Product Name : **Sodium carbonate decahydrate**

CAS No 6132-02-1

Synonyms Washing soda.; Sal soda

Recommended Use Laboratory chemicals.

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Signal Word

Warning

Hazard Statements

Causes serious eye irritation

Serious Eye Damage/Eye Irritation Category 2

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

Hazards not otherwise classified (HNOC)

None identified

3. Composition/Information on Ingredients

Component CAS No Weight % Sodium carbonate decahydrate 6132-02-1 >99

Sodium carbonate 497-19-8

4. First-aid measures

Eye Contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Get medical attention.

Inhalation Remove from exposure, lie down. Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention. If possible drink milk afterwards. Most important symptoms and effects

No information available. Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Substance is nonflammable; use agent most appropriate to extinguish surrounding fire. Unsuitable Extinguishing Media No information available

Flash Point No information available

Method - No information available

Autoignition Temperature No information available

Explosion

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Hazardous Combustion Products

Sodium oxides. Protective Equipment and Precautions for Firefighters

Vapors are heavier than air and may spread along floors. As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors. NFPA

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required.

Environmental Precautions See Section 12 for additional Ecological Information. Methods for Containment and Clean

Up

Avoid dust formation. Provide adequate ventilation. Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

Handling Do not get in eyes, on skin, or on clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid breathing vapors or mists. Do not ingest. If swallowed then seek immediate medical assistance. Handle product only in closed system or provide appropriate exhaust ventilation. Wash thoroughly after handling. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Storage. Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong acids. Strong oxidizing agents.

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8. Exposure controls / personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Health

2

Flammability

0

Instability

0

Physical hazards N/A Engineering Measures Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location. Personal

Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State Solid

Appearance White

Odor Odorless

Odor Threshold No information available

pH 11-12 50 g/l aq.sol

Melting Point/Range 34 °C / 93.2 °F

Boiling Point/Range No information available

Flash Point No information available

Evaporation Rate Not applicable

Flammability (solid,gas) No information available

Flammability or explosive limits

Upper No data available

Lower No data available

Vapor Pressure No information available

Vapor Density Not applicable

Specific Gravity 1.460

Solubility No information available

Partition coefficient; n-octanol/water No data available

Autoignition Temperature No information available

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Decomposition Temperature No information available

Viscosity Not applicable

Molecular Formula $C Na_2 O_3 \cdot 10 H_2 O$

Molecular Weight 286.01

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under recommended storage conditions. Conditions to Avoid Avoid dust formation.

Exposure to air.

Incompatible Materials Strong acids, Strong oxidizing agents

Hazardous Decomposition Products Sodium oxides

Hazardous Polymerization No information available. Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component LD50 Oral LD50 Dermal LC50 Inhalation Sodium carbonate 2800 mg/kg (Rat) > 2000 mg/kg (rabbit) 2.3 mg/l 2h (Rat)

Toxicologically Synergistic

Products

No information available

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

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as

acarcinogen Component CAS No IARC NTP ACGIH OSHA Mexico Sodium carbonate decahydrate

6132-02-1 Not listed Not listed Not listed Not listed Not listed Sodium carbonate 497-19-8 Not listed

Not listed Not listed Not listed Not listed Mutagenic Effects Not mutagenic in AMES Test

Reproductive Effects No information available. Developmental Effects No information available.

Teratogenicity No information available. STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed

No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

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Do not empty into drains. . Component Freshwater Algae Freshwater Fish Microtox Water

Flea Sodium carbonate Not listed Lepomis macrochirus: LC50:

300 mg/L/96h

Gambusia affinis: LC50: 740

mg/L/96h

- EC50: = 265 mg/L, 48h(Daphnia magna)

Persistence and Degradability Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available. Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. Regulatory information

United States of America Inventory

Component CAS No TSCA TSCA Inventory notification -

Active-Inactive

TSCA - EPA Regulatory Flags Sodium carbonate decahydrate 6132-02-1 - - - Sodium carbonate 497-19-8 X ACTIVE - Legend:

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component CAS No DSL NDSL EINECS PICCS ENCS ISHL AICS IECSC KECL Sodium carbonate

decahydrate 6132-02-1 - - - X - X X - Sodium carbonate 497-19-8 X - 207-838-8 X X X X KE-31380 KECL

- NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulations

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and

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Health Administration

Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals. U.S. State

Right-to-Know

Regulations

Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland

Security

This product does not contain any DHS chemicals. Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH

Component REACH (1907/2006) - Annex XIV -

Substances Subject to

Authorization

REACH (1907/2006) - Annex XVII -

Restrictions on Certain Dangerous

Substances

REACH Regulation (EC1907/2006) article 59 - CandidateList of Substances of Very HighConcern (SVHC)

Sodium carbonate - Use restricted. See item 75.

(see link for restriction details)

Component CAS No OECD HPV Persistent Organic

Pollutant

Ozone Depletion

Potential

Restriction of

HazardousSubstances (RoHS)Sodium carbonate

decahydrate

6132-02-1 Not applicable Not applicable Not applicable Not applicableSodium carbonate 497-19-8

Listed Not applicable Not applicable Not applicableComponent CAS No Seveso III Directive (2012/18/EC) -

Qualifying Quantities

for Major Accident

Notification

Seveso III Directive

(2012/18/EC) -

Qualifying Quantities

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for Safety Report

Requirements

Rotterdam

Convention (PIC)

Basel Convention(Hazardous Waste)Sodium carbonate

decahydrate

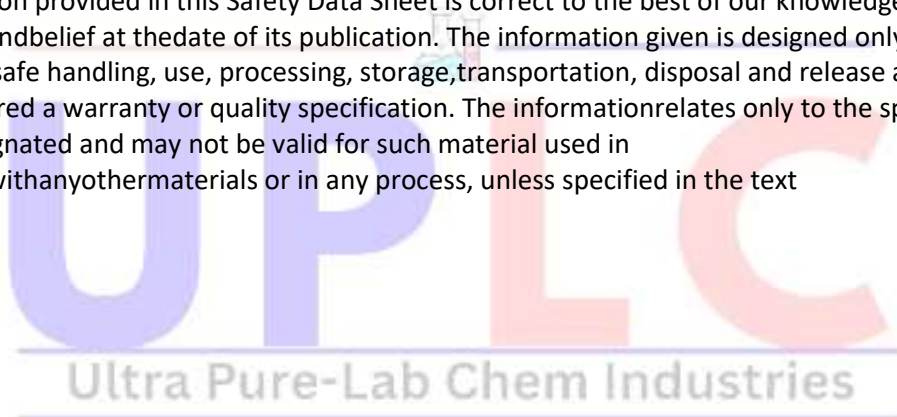
6132-02-1 Not applicable Not applicable Not applicable Not applicableSodium carbonate 497-19-8

Not applicable Not applicable Not applicable Not applicable

16. Other information

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text



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