



OCI Company Ltd.

Material Safety Data Sheet

MSDS

Sodium Sulfite Anhydrous

Section 1 - Chemical Product and Company Identification

Product name : Sodium Sulfite Anhydrous

Recommended use : Laboratory chemicals, Testing, Research and Industrial use

Restriction of use : No data available

Company Identification

Company : OCI Company Ltd.

Address : 94, Sogong-ro, Jung-gu, Seoul, KOREA

Tel No. : 82 - 2 - 727 - 9494

Section 2 - Hazards Identification

1) Hazard Classification Acute toxicity (oral) : 4
Respiratory sensitization : 1

2) Warning signal
Symbol



Signal word Danger

Hazard statement H302 Harmful if swallowed

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Prevention precautionary statements

Precaution P261 Avoid breathing dust/fume.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P285 In case of inadequate ventilation wear respiratory protection

Measures

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if You feel unwell.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P330 Rinse mouth.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Storage

No data available

Dispose

P501 Dispose of contents/container to the related laws

- 3) NFPA
- | | |
|---------------------|---|
| Health Rating | 2 |
| Flammability Rating | 0 |
| Reactivity Rating | 0 |

Section 3 - Composition, Information on Ingredients

Component : Sodium Sulfite Anhydrous
CAS No : 7757-83-7
Content : 100%

Section 4 - First Aid Measures

- 1) Eye contact : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Get medical attention if irritation persists after washing. In case of irritation from airborne exposure, move to fresh air.
- 2) Skin contact: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
- 3) Inhalation: Move to fresh air. Get medical attention if symptoms persist.
- 4) Ingestion: Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell.
Wash contaminated clothing before reuse.
- 5) Indication of immediate medical attention and special treatment needed Treatment : Treat symptomatically.
Symptoms may be delayed..

Section 5 - Fire Fighting Measures

- 1) Suitable (and unsuitable) extinguishing media
Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media : None known.
- 2) Specific hazards arising from the chemical : Thermal decomposition products: Sulfur dioxide, sulfur oxide, sodium oxide
- 3) Special protective equipment and precautions for firefighters
Move a container away from fire place, available not being dangerous
Cool the container with water spray for long time, after extinguishing
No direct contact with material by water. In case of big fire, mass watering in fine spray and decrease vapor.
Spray in safety distance, avoid inhaling of material-itself and burnings, position in opposite wind and escape low area.

Section 6 - Accidental Release Measures

- 1) Personal precautions, protective equipment and emergency procedures : Don't touch leakages and avoid inhale and skin contact, ventilate and use air respiratory in closed room, remove ignition source.
- 2) Environmental precautions : Minimize leak/spill, collect and keep leak/spill in container
- 3) Methods and material for containment and cleaning up : Remove residue with high-efficient cleaner

Section 7 - Handling and Storage

- 1) Precautions for safe handling : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
- 2) Conditions for safe storage, including any incompatibilities : Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

Section 8 - Exposure Controls, Personal Protection

- 1) Occupational exposure limit, biological exposure limit
 - Domestic regulations : No data available
 - ACGIH : No data available
 - Biological exposure limit : No data available
- 2) Appropriate Engineering Controls :

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
- 3) Personal protective equipment
 - Respiratory protection : Because it is concerned about the harmfulness of human body due to chemical substances, it is recommended to wear respiratory protective equipment with canister mask or gas filter in consideration of physical and chemical characteristics when handling.

Respiratory protection should be certified by the Health and Safety Authority.

It is concerned about the harmfulness of the human body depending on the working environment, it should wear respirator, air-purifying respirator
 - Eye protection : Wear safety glasses with side shields (or goggles).
 - Hand Protection: Chemical resistant gloves
 - Skin & Body Protection : Wear suitable protective clothing

Section 9 - Physical and Chemical Properties

Appearance

- Physical state : Solid
- Color : white
- Odor : odorless
- Odor threshold : No data available
- pH : Approximate 8.8 (8.8-10 at 50g/l and 20°C)
- Melting point/freezing point : > 500 °C
- Initial boiling point and boiling range : No data available
- Flash Point : Not applicable
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable
- Upper/lower limit on flammability or explosive limits : Not applicable
- Vapor pressure : 0.1 mmHg
- Solubility(ies) : 23 g/ml(20°C)

Vapor density : No data available
Relative density : 2.63
Partition coefficient (n-octanol/water) : -4
Auto-ignition temperature : No data available
Decomposition temperature : No data available.
Viscosity : No data available.
Molecular weight : 126.04

Section 10 - Stability and Reactivity

- 1) Chemical stability and Possibility of hazardous reactions :
Material is stable under normal conditions
- 2) Conditions to avoid : Heat. Moisture.
- 3) Incompatible materials : Strong oxidizing agents. Acids
- 4) Hazardous decomposition products : Thermal decomposition may release Sulfur dioxide, sulfur oxide, sodium oxide

Section 11 - Toxicological Information

- 1) Information on likely routes of exposure :
Respiratory tracts : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Oral : Harmful if swallowed
Eye-Skin : No data available
- 2) Information on health hazards
Acute toxicity
Oral : LD50 820 mg/kg Rat
Dermal : No data available
Inhalation : mist LC50 > 5.5 mg/ℓ 4 hr Rat
Skin Corrosion/Irritation : Not applicable
Serious Eye Damage/Eye Irritation : Not applicable
Respiratory Sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin Sensitization : No data available.
Carcinogenicity
Occupational Safety and Health Act : No data available.
Notice of Ministry of Employment and Labor : No data available.
IARC : Group 3 (Sulfites).
OSHA : No data available.
ACGIH : No data available.
NTP : No data available.
EU CLP : No data available.
Germ Cell Mutagenicity : No data available.
Reproductive toxicity : No data available.
Specific Target Organ Toxicity - Single Exposure : No data available
Specific Target Organ Toxicity - Repeated Exposure : No data available
Aspiration Hazard Product : No data available.

Section 12 - Ecological Information

- 1) Ecotoxicity:
 - Fish : LC50 220 ~ 460 mg/ℓ 96 hr *Leuciscus idus*
 - Invertebrates : No data available
 - Aquatic algae : No data available
- 2) Persistence and degradability
 - Persistence : log Kow -4
 - Degradability : No data available.
- 3) Bioaccumulative potential
 - Concentrations : No data available
 - Biodegradability : No data available.
- 4) Mobility in soil: No data available.
- 5) Other adverse effects: No data available.

Section 13 - Disposal Considerations

- 1) Waste methods : If specified in the Waste Management Act, waste contents and containers in accordance with the regulations.
- 2) Precautions for Waste : Consider the precautions specified in the regulations when specified in the Waste Management Act

Section 14 - Transport Information

- 1) UN Number : Not regulated
- 2) Shipping Name : No data available
- 3) Hazard Class : No data available
- 4) Packing Group : No data available
- 5) Marine pollutant : No data available
- 6) Particular safety Measures for transportation :
 - Fire emergency measures : No data available
 - Leakage emergency measures : No data available

Section 15 - Regulatory Information

- 1) Occupation safety and health acts Standard material of exposure : Not applicable
 - 2) Chemical Substances Control Act : Not applicable
 - 3) National law of Safety management of hazardous material : Not applicable
 - 4) National law of management of Wastes : Designated Waste
 - 5) Other domestic and foreign law : Not applicable
- EU classification information (confirmed classification result) : Not applicable
- EU classification information (risk statements) ; Not applicable
- EU classification information (safety statements) : Not applicable

Section 16 - Other Information

1) Source of data :

A chemical information MSDS Safety and Health Agency

National Institute of Environmental Research Chemical Information Systems

Korea Industrial Technology National Fire Hazardous Materials Information System

2) 1st Write date : 04/29/2015

3) Revision and The final revision

Revision number : 3

Final revision date : 09/04/2024

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