

1 Identification

- **Product identifier**
- **Trade name:** sodium sulphite
- **Article number:** Synonyms: Sodium sulfite anhydrous; disodium sulfite, Sodium sulfite
- **CAS Number:**
7757-83-7
- **EC number:**
231-821-4
- **Application of the substance / the mixture**
Chemicals for various applications
Bleaching agent
Anticorrosion additive
Photographical production processes
Preservative
Food/feedstuff additives
Laboratory chemicals
Reducing agents
Tanning agents
Cosmetic industry
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Aditya Birla Chemicals (Thailand) Ltd.
Suphites Division
82 Moo5 Sudbuntad Rd., Tandeaw Kaengkoi,
SARABURI 18110
THAILAND
- **Information department:**
Customer Service Department - Aditya Birla Chemicals (Thailand) Ltd.
Contact: Ms. Sarintip Kritkasarn
e-mail: sarintip.kritkasarn@adityabirla.com
- **Emergency telephone number:**
During normal opening times: +66-2-7042100
Fax (Factory): +66-23980774

2 Hazard(s) Identification

- **Classification of the substance or mixture**
This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
The substance is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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· HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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· Other hazards

- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Substances

· CAS No. Description

7757-83-7 sodium sulphite

· Identification number(s)

· EC number: 231-821-4

· Additional information:

Substance name: Value(s) / CAS no. / EINECS no.

Sodium sulfite: 95% / 7757-83-7 / 231-821-4

Synonyms: Sodium sulfite anhydrous; disodium sulfite, sodium sulfite.

4 First-Aid Measures

· Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Immediately rinse with water.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Induce vomiting and call for medical help.

· Most important symptoms and effects, both acute and delayed No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-Fighting Measures

· Extinguishing media

· Suitable extinguishing agents:

Carbon dioxide

Water

Foam

· Special hazards arising from the substance or mixture

Formation of poisonous gases during heating or in fires.

Can be released in case of fire:

Sulphur dioxide (SO₂)

Sodium oxide (Na₂O)

· Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

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- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep people at a distance and stay upwind.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** No special measures required.
- **Reference to other sections** See Section 8 for information on personal protection equipment.

7 Handling and Storage

- **Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** The product is not flammable.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in cool, dry conditions and well ventilated area.
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
- **Breathing equipment:** Use suitable respiratory protective device when high concentrations are present.
- **Protection of hands:**
To avoid skin problems reduce the wearing of gloves to the required minimum.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
Rubber gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

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- **Body protection:** Protective work clothing

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9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form: Powder	
Color: White and/or Pink	
· Odor: Odorless	
· Odour threshold: Not determined.	
· pH-value (50 g/l) at 20 °C (68 °F):	9.5 - 10.5
· Change in condition	
Melting point/Melting range:	911 °C (1672 °F)
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	1.6 g/cm³ (13.352 lbs/gal)
· Relative density at 20 °C (68 °F)	2.63 g/cm³ (21.947 lbs/gal)
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water at 25 °C (77 °F):	307 g/l
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** No further relevant information available.

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• Incompatible materials:

Strong oxidizing agents
Strong Acids

• Hazardous decomposition products:

Poisonous gases/vapours
Sulphur dioxide (SO_2)
Sodium oxide (Na_2O)

11 Toxicological Information

• Information on toxicological effects

• Acute toxicity:

• LD/LC50 values that are relevant for classification:

Oral	LD50	2610 mg/kg (rat)
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• Primary irritant effect:

• on the skin: Dust particles may mechanically irritate the skin.

• on the eye: Short time, reversible irritating effect.

• Sensitization: No sensitizing effects known.

• Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

• Carcinogenic categories

• IARC (International Agency for Research on Cancer) Substance is not listed.

• NTP (National Toxicology Program) Substance is not listed.

• OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12 Ecological Information

• Toxicity

• Aquatic toxicity: No further relevant information available.

• Persistence and degradability No further relevant information available.

• Bioaccumulative potential No further relevant information available.

• Mobility in soil No further relevant information available.

• Additional ecological information:

• General notes:

Chemical Oxygen Demand (COD-value): 125 mgO₂/g

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

• Results of PBT and vPvB assessment

• PBT: Not applicable.

• vPvB: Not applicable.

• Other adverse effects No further relevant information available.

13 Disposal Considerations (non-mandatory)

• Waste treatment methods

• Recommendation: Smaller quantities can be disposed of with household waste.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information (non-mandatory)

· UN-Number	Void
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADN, IMDG, IATA	Void
· ADR	Void
· Transport hazard class(es)	
· DOT	
· Class	Void
· ADR, ADN, IMDG, IATA	
· Class	Not dangerous according to the above specifica
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not regulated for transport.
· UN "Model Regulation":	-

15 Regulatory Information (non-mandatory)

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act):** Substance is listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
- **Chemicals known to cause developmental toxicity:** Substance is not listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)** Substance is not listed.
- **TLV (Threshold Limit Value established by ACGIH)** Substance is not listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

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Reviewed on 03/10/2014

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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Quality Control Department

- **Contact:**

Mr. Natarajan Kulandaivelu

e-mail: natarajan.kulandai@adityabirla.com

- **Date of preparation / last revision** 05/26/2015 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- *** Data compared to the previous version altered.**

Revision Information: 01/2015, Sections 1,14 revised - REACH registration no. and Transportation.

Revision Information: 02/2015, Section1, 2 revised - Name and NFPA.

Revision Information: 03/2015, Section 1, 3 revised - Synonyms and concentration/percentage.

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