TRADEGE
FOREIGN TRADE COMPANY

SAFETY DATA SHEET
SODIUM BISULFATE

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to Regulation (EC) No 1907/2006, Annex II, as amended.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	**SODIUM BISULFATE**
CAS No	7681-38-1
EC No	231-665-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses It is used in pH adjustment, metal cleaners and industrial purposes.

1.3. Details of the supplier of the safety data sheet

Supplier
TRADEGE FOREIGN TRADE COMPANY
Adalet Mahallesi, Manas Blv. Folkart B Tower No:2511
Bayraklı / IZMIR / TURKEY
Tel. : 0 506 450 92 08

1.4. Emergency telephone number

TRADEGE : +90 506 450 9208

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human Health Hazards	Eye Dam. 1 - H318
Environment Hazards	Not classified.

The Full Text for all Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008
CAS No: 7681-38-1

Contain Sodium Bisulfate

Signal Word Danger

Hazard Statements
H318 Causes serious eye damage.

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Precautionary Statements

P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	EC No.	CAS No.	Content	Classification (EC 1272/2008)
Sodium bisulfate	231-665-7	7681-38-1	≥ 99 %	Eye Dam. 1 - H318

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

- The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Administer general first aid. If breathing has stopped, give artificial respiration. Consult a doctor if any discomfort persists.

Ingestion
Rinse mouth with water. Never give anything liquid to an unconscious person. See a doctor immediately! Immediately move victim away from exposure area. Consult a doctor if any discomfort persists.

Skin contact
Remove affected person from source of contamination. Take off immediately all contaminated clothing. Rinse the skin immediately with plenty of water. Get medical attention if symptoms occur after the washing.

Eye contact
Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse. Get medical attention.

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

Eye contact: Causes serious eye damage. Redness, irritation**.**

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

Treat Symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, corrosive and toxic gases may be formed. Sodium oxides and sulphur oxides.

5.3. Advice for firefighters

Cool the packages at the fire scene by spraying water. Evacuate personnel to safe area.
Avoid polluting the environment by using more fire extinguishers than necessary. Firefighting residues should not be allowed to reach sewers and groundwater. Use protective gloves and clothing. Use a complete mask with oxygen tank when necessary to extinguish the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment to prevent contamination of skin, eyes, personal clothing. Avoid inhalation of vapors, fumes or gases. Do not inhale waste. Consult specialist for emergency procedures. Do not handle or touch the product until all safety precautions have been thoroughly read and understood.

6.2. Environmental precautions

Unsuitable discharge into the environment may cause soil and water contamination.
Prevent any contamination of sewage/surface water/groundwater.
In case of mixing with water or sewage, notify the competent authorities and inform the authorities.

6.3. Methods and material for containment and cleaning up

Collect waste in a specific place without creating dust. Collect and remove the waste. Provide adequate ventilation.
Store waste in closed and suitable containers.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

There must be a suitable exhaust ventilation system in places where dust occurs.
Make sure that the working environment is well ventilated and cleaned and that relevant precautions are taken.
Ensure handling in accordance with good industrial hygiene practices and safe handling procedures.
Avoid direct contact with the substance. Use personal protective equipment. Make sure the environment is well ventilated.
Avoid contact with eyes and skin.

Recommendations for protection against fire and explosion

No special precautions are required.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store the substance in its original packaging, with containers tightly closed, in a dry, cool and well-ventilated place.

It is hygroscopic. The warehouse should be cleaned regularly, ventilation equipment, temperature and humidity controls should be made regularly. All items should be kept closed in their original packaging when not in use.

Common Storage Conditions
Keep away from food, drink and animal feeding areas. Keep away from open fire sources, sparks and heat.
Follow the general rules for storing chemicals.

Incompatible Substances: Strong bases, strong oxidizing agents.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
PNEC values
Fresh water: 11.09 mg/l
Intermittent releases: 17.66 mg/l
Marine water: 1.109 mg/l
STP: 800 mg/l
Sediment (freshwater): 40.2 mg/kg
Sediment (marine water): 4.02 mg/kg
Soil: 1.54 mg/kg

8.2. Exposure controls
Protective equipment

Respiratory equipment
If the risk assessment determines that the use of air-purifying respirators would be appropriate, use particle trapping respirators with redundant N100 type (United States of America) or P3 (EN 143) type breathing cartridges for technical controls and with full face coverage. If respirators are the only means of protection, use full face-covering air masks. Use respirators and equipment that have been tested and approved according to the relevant official standards such as NIOSH (United States) or CEN (European Union).

Hand protection
Wear gloves when handling. Gloves should be checked before use. To avoid skin contact with this product, use the correct glove removal method (without touching the outer surface of the glove).
Contaminated gloves should be disposed of in accordance with good laboratory practice and compliance guidelines. Wash and dry your hands. The selected protective gloves must comply with EN 374 standards.

Full contact
- Material: Nitrile rubber
- Minimum layer thickness 0.11 mm
- Absorption time: 480 minutes

Splash protection
- Material: Nitrile rubber
- Wear protective gloves with a minimum layer thickness of 0.11 mm.
- Absorption time: 480 minutes

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If used in solution or mixed with other substances and in a manner other than as specified in EN 374, contact the EU approved glove supplier. This is a recommendation only and should be evaluated by an Industrial Hygienist for the specific intended use.

Eye protection
Use protective glasses against chemicals. In situations where there is a possibility of dust flying or solutions splashing, use a mask with full face protection.
Provide eyewash and quick soak facilities in the work area.

Hygiene measures
Common rules for handling chemical products must be observed. Wash hands at every shift change and before eating, before smoking and before going to the toilet. Do not eat, drink or smoke during use. Avoid contact with eyes.

Skin protection
In the workplace, use body protection appropriate to the amount and concentration of the hazardous substance.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Solid, crystal
Colour	Light yellow
Odour	Odorless
Odour threshold	No data available
pH-Value	1,0 @ 20°C
Melting Point	~ 315
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Upper/lower flammability or explosive limits	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Vapor pressure @ 20 ° C	No data available
Vapor density	No data available
Relative density	No data available
Solubility	285 - completely soluble.
Coefficient of dispersion: n-octanol / water	No data available
Bulk density	No data available
Density	2,43
Decomposition Temperature	> 315
Viscosity	No data available
Oxidative properties	No data available
Explosive properties	No data available
Particle characteristic	No data available

9.2. Other information
No data available

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available

10.2. Chemical stability
Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Avoid contact with moisture and water vapor.

10.5. Incompatible materials
Strong bases, strong oxidizing agents

10.6. Hazardous decomposition products
No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity
Based on its corrosive effect the classification criteria are not met.

LD50, oral, rat	2140 mg/kg
LC50, inhalation, rat, 4 hour	>2.4 mg/l (4 hour)

Skin corrosion/irritation
Based on its corrosive effect the classification criteria are not met.
Skin - Rabbit (4 hours): No skin irritation observed (OECD Test Guideline 404)

Serious eye damage/irritation
Causes serious eye damage.
Eye - Rabbit: Risk of serious damage to the eye (OECD Test Guideline 405).

Respiratory or skin sensitisation:
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive Toxicity
Based on available data the classification criteria are not met.

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STOT-single exposure
Based on available data the classification criteria are not met.

STOT-repeated exposure
Based on available data the classification criteria are not met.

Aspiration Toxicity
Based on available data the classification criteria are not met.

11.2. Information on other hazards
This product does not contain any endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to aquatic algae
EC50, freshwater algae, 1900 mg/l

Toxicity to microorganisms
EC50, microorganisms, 8 mg/l

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties
This product does not contain any endocrine disrupting properties.

12.7. Other adverse effects
No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
The product must be disposed of in accordance with official regulations. Do not allow the packaging and the product to be disposed of with household waste. It is strictly forbidden to mix the product with sewage and groundwater.
In such cases, notify the authorities.

SECTION 14: TRANSPORT INFORMATION

General
This substance/mixture may be classified as hazardous. However, it may be dispatched as non-hazardous substance in cases when the packaging is under limited / exceptional quantity. Please follow the relevant regulations.

14.1. UN number or ID number

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Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National Legislation

- Commission Regulation (EU) 2020/878 of 18 June 2020.
- Health and Safety at Work etc. Act 1974 (as amended).
- EH40/2005 Workplace exposure limits.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Seveso Directive - Control of major accident hazards
Not relevant.

Restrictions (Annex XVII Regulation 1907/2006)
There are no known restrictions on the use of this product.

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet
ADR: European Agreement on International Carriage of Dangerous Goods by Road.
ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement on International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.

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TWA: Time weighted average
ATE: Estimated value of acute toxicity
EC No: European Community number
CAS: Chemical Theory Service.
LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).
LC50: Substance concentration causing 50% (half) death in the test animals group.
EC50: Effective Concentration of the substance causing the maximum of 50%.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent, Very Bioaccumulative.
DNEL: Derived No Effect Level
PNEC: Predicted no-effect concentration
STOT: Specific Target Organ Toxicity

Information Sources
This SDS has been obtained from the owner of the product.
ECHA - www.echa.europa.eu

Revision Comments
This is first issue.

Classification reason
Eye Dam. 2 - H318 : Calculation method.

Hazard Statements in Full
H318 Causes serious eye damage.

Issued By
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Issued Note
This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner

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