



Safety Data Sheet Sodium Metabisulfite

SECTION 1: Identification

1.1 Product identifier

Product name	Sodium Metabisulfite
Product number	Unavailable
Brand	Unavailable
Substance name	Sodium Metabisulfite
EC no.	231-673-0
CAS no.	7681-57-4
Index no.	016-063-00-2

1.2 Other means of identification

None

1.3 Recommended use of the chemical and restrictions on use

All legal and proper purposes.

1.4 Supplier's details

Name	Duda Energy LLC
Address	1112 Brooks St. Decatur, AL 35601 USA
Telephone	256.340.4866
Fax	Unavailable
email	Unavailable

1.5 Emergency phone number(s)

800.255.3924 (Chemtel)

SECTION 2: Hazard identification

General hazard statement

Unavailable

2.1 Classification of the substance or mixture

GHS classification in accordance with: UN GHS rev. 5

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
P302+P352	IF ON SKIN: Wash with plenty of water/...
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ...

2.3 Other hazards which do not result in classification

Unavailable

Statement regarding ingredients of unknown toxicity

Unavailable

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	Sodium Metabisulfite
EC no.	231-673-0
CAS no.	7681-57-4
Index no.	016-063-00-2
Formula	Na ₂ S ₂ O ₅
Molecular weight	190.109
Other names / synonyms	Disulfurous acid, sodium salt (1:2); sodium metabisulphite; Sodium pyrosulfite; Sodium disulfite; Sodium Metabisulfite
Impurities and stabilizing additives	None

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	If you feel unwell, seek medical advice (show label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Control Center or doctor if you feel unwell.
In case of skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: get medical advice and attention. Wash contaminated clothing before reuse.
In case of eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention immediately.
If swallowed	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into lungs. Get medical advice/attention if you feel unwell.
Personal protective equipment for first-aid responders	Wear PPE where exposure to material(s) is possible.

4.2 Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin, and eyes. Skin irritation. May cause redness and pain.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Do not water jet to extinguish as this will spread the fire.

5.2 Specific hazards arising from the chemical

Gases that are hazardous to health may form during fire.

5.3 Special protective actions for fire-fighters

Use SCBA and full protective clothing. Use water spray to cool unopened containers.
Use standard firefighting procedures and consider the hazards of other involved materials.

Further information

No other fire hazards noted.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is no risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

6.2 Environmental precautions

Avoid discharge into drains, water courses, or onto the ground.

6.3 Methods and materials for containment and cleaning up

Avoid dispersal of dust in the air (sweeping, cleaning surfaces with compressed air).
Stop the flow of material if this can be done without risk. Absorb liquids with vermiculite, dry sand, or earth and place into containers. Collect dust using a vacuum cleaner equipped with HEPA filter.

Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not get this material in contact with eyes. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. When using, do not eat, drink, or smoke.

Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

Specific end use(s)

Unavailable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium Metabisulfite (CAS: 7681-57-4 EC: 231-673-0)

TWA: 5 mg/m³ (ACGIH)

2. Sodium Metabisulfite (CAS: 7681-57-4 EC: 231-673-0)

TWA: 5 mg/m³ (NIOSH)

8.2 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. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Eye wash facilities and emergency showers must be available when handling this product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields, goggles, a face shield, or full-face respirator.

Skin protection

Wear chemical resistant clothing and gloves.

Body protection

Gloves, goggles/glasses/face shield, long-sleeves

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Dust+vapor respirator.

Thermal hazards

N/A

Environmental exposure controls

Ensure material does not enter into the environment through spillage/leak or unsafe handling.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)

Solid, Powder

Odor

White

Pungent (Sulfur Dioxide)

Odor threshold	Unavailable
pH	Unavailable
Melting point/freezing point	150°C
Initial boiling point and boiling range	Unavailable
Flash point	537.2°C
Evaporation rate	Unavailable
Flammability (solid, gas)	Unavailable
Upper/lower flammability limits	Unavailable
Upper/lower explosive limits	Unavailable
Vapor pressure	<0.0000001 kPa @ 25°C
Vapor density	Unavailable
Relative density	Unavailable
Solubility(ies)	Water: 540 g/l
Partition coefficient: n-octanol/water	Unavailable
Auto-ignition temperature	Unavailable
Decomposition temperature	Unavailable
Viscosity	Unavailable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

Other safety information

Flammability class: Combustible IIIB estimated

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable and not reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed. May cause respiratory irritation.

[Sodium Metabisulfite]

LD50 Oral - Sheep - 2.515 g/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Germ cell mutagenicity

No indication that this material or any of its components are mutagenic or genotoxic.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

This product is not expected to cause reproductive or developmental issues.

Summary of evaluation of the CMR properties

Unavailable.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Additional information

None.

SECTION 12: Ecological information**Toxicity**

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can or may have a harmful or damaging effect on the environment.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

N/A

Other adverse effects

No other adverse environmental effects are expected from this material.

SECTION 13: Disposal considerations**Disposal of the product**

Collect and reclaim or dispose of in sealed containers at a licensed waste disposal site. Dispose of contents/container in accordance with all applicable regulations.

Disposal of contaminated packaging

Treat contaminated packaging as you would material: observe label warnings and dispose of only in accordance with all applicable regulations.

Waste treatment

Dispose of in accordance with local regulations. Must be disposed of in a safe manner.

Sewage disposal

Do not dispose into sewage, waterways, drainage ditches, etc..

Other disposal recommendations

None

SECTION 14: Transport information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations specific for the product in question****Pennsylvania Right To Know Components**

Chemical name: Disulfurous acid, disodium salt

CAS number: 7681-57-4

New Jersey Right To Know Components

Common name: SODIUM METABISULFITE

CAS number: 7681-57-4

SARA 302 Components

Not listed

SARA 311/312 Hazards

Yes (hazardous chemical)

SARA 313 Components

Not regulated

Australian Inventory of Chemical Substances (AICS)

On inventory: Yes

Canadian Domestic Substances List (DSL)

On inventory: Yes

Canadian Non-Domestic Substances List (NDSL)

On inventory: No

Japanese Existing and New Chemical Substances (ENCS)

On inventory: Yes

Korean Existing Chemicals List (KECL)

On inventory: Yes

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

On inventory: Yes

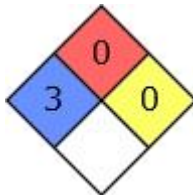
15.2 Chemical Safety Assessment

Not available.

HMIS Rating

Sodium Metabisulfite
HEALTH
3
FLAMMABILITY
PHYSICAL HAZARD
PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

The information provided in this Safety Data Sheet is correct to the best of Duda Energy LLC's 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. This Safety Data Sheet only contains information relating to safety and does not replace any product information or product specification. Please note: the content may be changed, corrected, or deleted any time without notice, and may not always necessarily reflect the most current data. Duda Energy LLC will assume no responsibility for any trouble or failure caused by the errors in the information provided, nor any damage associated with the usage of the information.

16.2 Preparation information

Version: 2

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