

1. IDENTIFICATION

Product Identifier

Product Name ACCUTREAT 520
Chemical Name Sodium bisulfite solution

Recommended use of the chemical and restrictions on use

Recommended use Oxygen scavenger
Restrictions on use For industrial use only

Supplier details

West Penetone Inc. 11411-160 Street
Edmonton, AB,
T5M3T7
Tel: 780-454-3919

Emergency Telephone Number

(780) 454-3919 (Mon – Fri, 8 AM – 4:30 PM, Mountain time)
CANUTEC 1-613-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2

Label Elements**WARNING****Hazard Statements**

Causes serious eye irritation
Causes mild skin irritation

**Precautionary Statements - Prevention**

Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary Statements - Response

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

IF SKIN irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight %
Sodium bisulfite	7631-90-5	15 – 40*

*Actual concentration is withheld as a trade secret

4. FIRST AID MEASURES

Ingestion:	Rinse mouth. Do NOT induce vomiting. Drink one or two glasses of water or milk. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact:	Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.
Inhalation:	If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed.

Contact with eyes may cause serious damage or irritation leading to discomfort, redness, swelling or blindness. Contact with skin may cause mild irritation with local redness and possible dermatitis shortly after exposure. Inhalation of vapors may cause mild discomfort/irritation. Ingestion may cause, throat irritation, gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

Specific hazards arising from the chemical.

During fire, gases hazardous to health may be formed including oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent materials. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid inhalation of mist or spray. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation of work areas. Use personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage: Keep in a dry, cool, and well-ventilated place, away from incompatible materials.

Incompatible Materials: Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium bisulfite CAS 7631-90-5	TWA: 5 mg/m ³	TWA: 5 mg/m ³	Not available

Appropriate engineering controls

Engineering Controls: Ensure adequate ventilation. General ventilation should be sufficient for normal use.

Individual protection measures, such as personal protective equipment

Eye/face Protection: Safety glasses with side shields or goggles. Use a face-shield where mode of handling increases risk of splashing.

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory Protection: Not required for normal use.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Colourless liquid

ODOR:

none

ODOR THRESHOLD:

Not available

pH: 5.5 – 6.5 (10 % v/v solution in water)

Not applicable

MELTING POINT / FREEZING POINT:

Not available

BOILING POINT/BOILING RANGE:

Approximately 100 °C

FLASH POINT:

Not applicable

EVAPORATION RATE, water = 1:

>1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C:

Not available

VAPOR DENSITY (Air = 1):

Not available

RELATIVE DENSITY AT 20°C:

1.210 – 1.230

SOLUBILITY IN WATER:

soluble

PARTITION COEFFICIENT, N-OCTANOL/WATER:

Not available

AUTO-IGNITION TEMPERATURE:

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS:

Not available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Sodium Bisulfite Solutions may release toxic and hazardous fumes of sulfur oxides, including sulfur dioxide. Symptoms include coughing, hoarseness, sneezing, tearing, and breathing difficulty. Reacts with water and steam to form corrosive sulfurous acid. Reacts with chlorates to form unstable chlorine dioxide.

Conditions to Avoid

Store away from incompatible materials.

Incompatible Materials

Strong oxidizing materials.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral >2000 mg/kg (rat), LD50 dermal >2000 mg/kg (rabbit), LC50 inhalation – not available

Not classified as an acutely toxic mixture.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium bisulfite CAS 7631-90-5	1540 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed

Information on likely sources of exposure

Ingestion	May cause stomach pains, nausea, diarrhea other delayed effects.
Skin corrosion/irritation	May cause mild skin irritation.
Inhalation	May cause mild respiratory irritation.
Serious eye damage/irritation	May cause serious eye damage or irritation with redness, swelling pain or blindness

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization	None known
Germ cell mutagenicity	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
STOT - single exposure	None known.
Aspiration Hazard	None known

Symptoms related to the physical, chemical and toxicological characteristics.

Skin and eye irritation. Possible delayed effects due to prolonged or repeated skin exposure. Ingestion may cause irritation or a burning sensation of the mouth and throat, abdominal pain accompanied by nausea, vomiting, and diarrhea. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, as well as headaches dizziness or nausea at high concentrations.

12. ECOLOGICAL INFORMATION**Persistence and degradability**

Expected to be biodegradable

Bioaccumulative potential

No information available.

Mobility in soil

No information available

Other adverse effects

This product depletes oxygen in water. Do not release untreated into natural waters.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

UN Number: 2693
UN Proper Shipping Name: Bisulfites, aqueous solutions, n.o.s
Transport Hazard Class(es)
Class: TDG: 8
US DOT: 8
IMDG: 8
Label(s): 8
Packing Group: III
Marine Pollutant: No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not determined.

15. REGULATORY INFORMATION**Canada (DSL/NDSL)**

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

16. OTHER INFORMATION

Preparation Date July 5, 2023
Revision Date Not applicable
Revision Note Not applicable

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet