



MATERIAL SAFETY DATA SHEET

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

Product Name: SODIUM BISULFATE, Technical, Granular, American or European Origin, 92%
Trade Name:
Synonym(s):
Product Use:
Supplier Name: Argo International Ltd
Address: 9 St Benedict's St, Eden Terrace, Auckland
Telephone: +64 9 377 5061
Fax: +64 9 309 1992
Email: argo@argoint.co.nz
Website: Argoint.co.nz
Emergency Number(s): For advice, contact the National Poisons Centre
(New Zealand: Phone 0800 76 766) or a doctor.

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Risk of serious damage to eyes.
Moisture sensitive.

Hazard Symbols: XI.
Risk Phrases: 41.

Potential Health Effects:

Eye: May cause eye irritation and possible damage.
Skin: May cause skin irritation.
Ingestion: May cause irritation of the digestive tract.
Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary oedema.
Chronic: Repeated exposure may cause erosion of teeth.
HSNO Classifications: 8.2C, 8.3A.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component: Sodium Bisulphate.
CAS/Identification Number: 7681-38-1.
EINECS Number: 231-665-7
Concentration %: 92%

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure to fresh air immediately.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.

SECTION 5: FIRE FIGHTING MEASURES

DO NOT USE WATER!



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Fire:	Not considered to be a fire hazard.
Explosion:	Not considered to be an explosion hazard.
Fire Extinguishing Media:	Use any means available to extinguish surrounding fire.
General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:	Use water spray to cool fire-exposed containers. Use extinguishing media most appropriate for the surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PPE:	Wear appropriate personal protective equipment as indicated in Section 8. Ventilate area of leak or spills.
Leaks or Spills:	Vacuum or sweep up material and place into a suitable disposal container. Pick up and place in a suitable container for disposal. Do not generate dust. Cautiously spray residue with plenty of water.

SECTION 7: HANDLING AND STORAGE

Handling:	Do not breathe dust, vapour, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.
Storage:	Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment:	
Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granules.
Appearance:	Off-white.
Odour:	Odourless.
pH:	Not available.
Vapour Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	315° C.
Autoignition Temperature:	Not available.
Flash Point:	Not available.
Explosion Limits, lower:	Not available.



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Explosion Limits, upper: Not available.
Decomposition Temperature: Not available.
Solubility in water: Soluble in water.
Specific Gravity/Density: 2.1030 g/cm³.
Molecular Formula: NaHSO₄.
Molecular Weight: 120.06.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation, exposure to moist air or water.
Incompatibilities with Other Materials: Strong oxidizing agents, strong bases, Sodium Carbonate, Calcium Hypochlorite.
Hazardous Decomposition Products: Oxides of Sulphur.
Hazardous Polymerisation: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS#: -
CAS# 7681-38-1: VZ1860000.
LD50/LC50: Not available.
Carcinogenicity: Sodium Bisulfate, tech., granular - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Other: See actual entry in RTECS for complete information.

SECTION 12: ECOLOGICAL INFORMATION

SECTION 13: DISPOSAL CONSIDERATIONS

SECTION 14: TRANSPORT INFORMATION

IATA

Shipping Name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.*
Hazard Class: 8.
UN Number: 3260.
Packing Group: III.

IMO

Shipping Name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Hazard Class: 8.
UN Number: 3260.
Packing Group: III.

RID/ADR

Shipping Name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
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SECTION 15: REGULATORY INFORMATION

European/International Regulations

European Labelling in Accordance with EC Directives

Hazard Symbols: XI.
Risk Phrases: R 41 Risk of serious damage to eyes.
Safety Phrases: S 24 Avoid contact with skin.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection)

CAS# 7681-38-1: 1

United Kingdom Occupational Exposure Limits

Canada: CAS# 7681-38-1 is listed on Canada's DSL List.
CAS# 7681-38-1 is listed on Canada's Ingredient Disclosure List.

Exposure Limits:

US Federal: TSCA.
CAS# 7681-38-1 is listed on the TSCA inventory.

New Zealand: This substance is classified as a hazardous substance in accordance with the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Approval Number: HSR 003951.

SECTION 16: OTHER INFORMATION

MSDS Creation Date: 11/08/1996.
Revision #: 1.
Date: 6/30/2000.

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