

Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 1 of 7

1 PRODUCT NAME: SODIUM BISULPHATE, POWDER
PRODUCT CODE: 20 00 572 250

2 COMPOSITION

Formula:-

NaHSO₄ ASSAY:	92% MIN
Chloride Content:	0.1% Max
Iron Content:	0.03% Max
Bulk Density:	1.40 – 1.61
Water:	<1.0%
Insoluble In Water:	0.3% Max

3 HAZARD IDENTIFICATION

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Auto-Ignite Temperature:	N/A
Hazardous Combustion Products:	Sulphuric Acid/Sulphur Oxides

Risk Phrases	34, 37	Secondary Risk	
Safety Phrases	26, 36/37/39, 45	Conveyance Class	8, Corrosive
Primary Risk	Corrosive	ADR HIN	80
S I Number	3260	EINECS No	231-665-7
ADR Class	8, Corrosive	IMDG Code (Page)	N/A
Tremcard No	80G09	IMCO Class	8, Corrosive
IATA Special Provisions	N/A	Packing Group	III
UN Number	3260	UK Customs Number	CUS 23317
CAS Number	7681-38-1		
Hazchem Code	Not Listed		

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 2 of 7

CHIP RISK PHRASES

Causes burns. Irritating to respiratory system.

CHIP SAFETY PHRASES

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident, or if you feel unwell, seek medical advise immediately (show the label where possible).

PHYSICAL AND ENVIRONMENTAL

Spillage will affect vegetation.
Practically non-toxic to living resources (4).

ADVERSE HUMAN HEALTH EFFECTS

Irritating to skin, especially when wet. Dust strongly irritating to mucous membrane.

4 FIRST AID MEASURES

INHALATION

Remove from exposure. Keep warm and at rest. If there is respiratory distress give oxygen. If respiration stops or shows signs of failing, apply artificial respiration. Do not use mouth to mouth ventilation. Obtain medical attention urgently.

SKIN CONTACT

Immediately wash with plenty of water. Preferably under a shower if affected area is large enough to warrant this. Remove contaminated clothing and thoroughly clean and dry all clothes before re-use. Obtain medical attention if irritation persists or if blistering occurs.

EYE CONTACT

Irrigate eye thoroughly with water for at least 10 minutes, holding the eyelids apart if necessary. Obtain medical attention if necessary.

INGESTION

Wash out mouth with water and give sips of water or milk to drink to soothe the affected parts. Do not induce vomiting. Treatment may be needed for shock or pain.

MEDICAL ASSISTANCE

Symptomatic treatment and supportive therapy as indicated.

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication.

Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 3 of 7

5 FIRE-FIGHTING MEASURES

SPECIAL PROTECTIVE EQUIPMENT

Non-flammable. Decomposes in heated air to produce toxic and corrosive gases. Therefore fire-fighters should wear self-contained breathing apparatus and appropriate protective clothing – see exposure control.

SUITABLE EXTINGUISHING MEDIA

Select extinguishing medium appropriate to other materials involved in and/or to the circumstances of the fire. Keep containers cool with water spray.

SPECIAL EXPOSURE HAZARDS

Decomposes on heating to liberate toxic fumes of sulphur dioxide and corrosive mists of sulphuric acid (if moist).

6 ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP

Powder spills should be swept into labelled polyethylene bags. Securely sealed to await disposal. Dispose of hazardous waste in accordance with waste disposal and water authority regulations. See disposal considerations and environmental precautions.

PERSONAL PRECAUTIONS

Avoid contact with the product. Ventilate the area to dispel possible toxic decomposition fumes – see stability and reactivity. Wear appropriate protective clothing when dealing with spillage's – see exposure controls.

ENVIRONMENTAL PRECAUTIONS

If size of spillage warrants and has contaminated water courses, drains or vegetation – advise appropriate authorities. Evacuate personnel from the area.

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West

Barnstaple Devon EX31 3UA

Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699

www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication.

Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 4 of 7

7 HANDLING AND STORAGE

STORAGE

Store in a cool, dry, well ventilated area, away from incompatible chemicals or materials – see Stability and Reactivity. Avoid exposure to moisture, heat and ignition sources. Avoid contact with aluminium, copper, copper alloys or nickel.

HANDLING

Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice. Wear appropriate protective clothing – see Exposure Control. Ensure adequate ventilation. Smoking should be prohibited in storage areas. Dispose of contaminated clothing. Contact with water forms corrosive acidic solution which attacks clothing.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

HAND PROTECTION

Wear PVC or rubber gloves.

EYE PROTECTION

Wear chemical goggles and a dust mask to prevent inhalation of the product. Eyebaths should be provided at places where accidental exposure may be possible.

SKIN PROTECTION

Wear PVC suit and PVC/Rubber footwear. Showers should be provided at places where accidental exposure may occur.

RESPIRATORY PROTECTION

Occupational exposure limits assigned by HSE (1) and ACGIH (2):-

In the case of decomposition products:-

Sulphur Dioxide, OES-LTEL= 2ppm (5 mgm-3), OES-STEL- 5ppm (13 mgm-3) HSE (1)

Sulphuric Acid: OES-LTEL= 1mgm-3 HSE (1)

In the event where significant exposure is possible (e.g. in dealing with spillage, fire or exposure to vapour and/or toxic fumes). Wear self-contained breathing apparatus – see Stability and Reactivity.

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West

Barnstaple Devon EX31 3UA

Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699

www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.

Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication.

Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 5 of 7

9 PHYSICAL AND CHEMICAL PROPERTIES

Chemical Symonyms	DRY ACID	SODIUM ACID SULPHATE		
Molecular Mass	120.1		Lethal Dosage	No data
Solubility in Water	Hydrolyses		Specific Gravity @ 20°C	1.45 kg/1
Vapour Density	No data		Vapour Pressure	N/A
Freezing Point °C	N/A		Boiling Point °C	N/A
Viscosity	N/A		PH	0.5 (12% sol) 3 (1.2%)
Appearance	White crystalline powder			
Odour	Characteristic Odour.			

10 STABILITY AND REACTIVITY

Condition to avoid	Avoid exposure to high temperatures, heat & ignition sources and moisture
Materials to avoid	Reacts violently with bleaching powder, chlorates, nitrates, oxidising agents and strong alkalis such as Sodium Hypochlorite. Corrosive to metals if moist.
Hazardous decomposition products	Decomposes in heated air to liberate toxic fumes of sulphur dioxide and corrosive fumes of sulphurous acid, if moisture present.

11 TOXICOLOGICAL INFORMATION

Acute effects:

Can enter the body by inhalation or ingestion.

Dust causes severe irritation to eyes, skin, respiratory and digestive tracts.

Causes chemical burns when moist.

Decomposition fumes cause severe irritation and corrosion of mucous membranes and respiratory tracts.

No known chronic effects.

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication.

Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 6 of 7

12 ECOLOGICAL INFORMATION

Ecotoxicity: practically non-toxic to aquatic species (4) with TLM96 in excess of 100mg/l
A decrease in pH below 5 induces fatalities to aquatic life. No evidence of bioaccumulation or tainting of seafood (4)

13 DISPOSAL CONSIDERATIONS

DISPOSAL DANGERS

Care should be taken to avoid accidental mixing with hypochlorite or oxidising agents. Do not attempt to neutralise with strong alkalis. Neutralisation generates much heat. See Disposal Methods.

DISPOSAL METHODS

Treat as for spillage's. Wear appropriate protective clothing - see Accidental Release Measures. Transfer any hazardous waste to suitable containers for subsequent disposal. Alternatively, the products can be dissolved in water and neutralised by a mild alkali such as Calcium Hydroxide or Soda Ash. Wash contaminated area with water and detergent. Absorb as much as possible into labelled drums. Store in a safe area. Arrange for removal of containers by a Licensed Contractor, in accordance with Disposal Regulations.

14 TRANSPORT INFORMATION

SI 1992/743 The Road Traffic (Carriage of Dangerous Substances in Road Tankers and Tank Containers) Regulations
SI 1993/1746 The Chemicals (Hazard Information and Packaging) Regulations
SI 1992/742 Road Traffic (Carriage of Dangerous Substances in Packages, etc) Regulations

See Regulatory Information.

15 REGULATORY INFORMATION

Chemicals (Hazard information and packaging for supply) regulations for supply 1994 (SI No. 3247) (CHIP2)

Supply: Corrosive

Causes burns. Irritating to respiratory system. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



Material Safety Data Sheet

Golden Coast



Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication.

Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 26.01.00

Revision Date 14.04.03

Revision Number 4

Page 7 of 7

16 OTHER INFORMATION

TRAINING ADVICE

The user should be trained to handle chemicals and be fully aware of the product's reaction/hazards. Read the label before opening the container. Avoid storage with or near reactive chemicals or incompatible materials. See Stability and Reactivity.

RECOMMENDED USES AND RESTRICTIONS

Used as a chemical process intermediate.

DATA SOURCES

- HSE Guidance Note EH 40 Occupational Exposure Limits (Latest edition).
- ACGIH (Threshold Limit Values and Biological Exposure Indices) 1985-86.
- Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (SI No 3247) (CHIP2).
- IMO Reports and Studies No 35 (The Evaluation of Hazards of Harmful Substances Carried by Ships) 1989.
- IMDG Code (International Maritime Dangerous Goods Codes) 1990.
- Control of Substances Hazardous to Health Regulations. (SI 1988/1657).
- Factories Act 1961.
- Hazchem List No 6 (Emergency Action Codes and Supplementary Information) 1990.

THE MSDS COMPLIES WITH REGULATION 6 OF CHIP2 WHICH IMPLEMENTS ARTICLE 27 OF THE DANGEROUS SUBSTANCES DIRECTIVE (67/548/EEC) AS AMENDED BY THE SEVENTH AMENDMENT (92/32/EEC), ARTICLE 10 OF THE DANGEROUS PREPARATIONS DIRECTIVE (88/379/EEC) AND THE SAFETY DATA SHEETS DIRECTIVE (91/155/EEC AS AMENDED BY DIRECTIVE 93/112/EC).

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. THE MANUFACTURER BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MATERIAL SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT THE MANUFACTURER TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02

