

# MedTrade Products Limited

## Material Safety Data Sheet

### CELOX Haemostatic Granules

#### 1. Identification of the Substance / Preparation and the Company

Product Name: CELOX  
CELOX Haemostatic Granules

Use of the Substance: Haemostat to control life threatening bleeding

Manufacturer: MedTrade Products Limited  
Electra House  
Crewe Business Park  
Crewe  
Cheshire  
CW1 6GL

Telephone: + 44 (0) 1270 500019  
Fax: + 44 (0) 1270 500019

#### 2. Composition / Information on Ingredients

Product Group: Haemostats

Product Codes and Descriptions: BP09930020

The product is made from Chitosan which is a deacetylated version of Chitin (obtained from shrimp shells).

Chitosan CAS number: 9012-76-4

#### 3. Hazard Information

Specific Hazards: Irritating to eyes and respiratory system.  
No health hazard is anticipated during normal handling of the product.

Routes of Entry: Eye contact – ingestion – wounds.

Carcinogenic Status: Not considered carcinogenic by NTP, IARC and OSHA.

Skin contact (short and long term) This product is intended for skin contact.  
Eye contact (short and long term) Irritation, blurred vision.

Inhalation (short and long term) May cause irritation of the mucus membranes.

Ingestion: This product is not considered toxic, but as with any material, may be harmful if ingested in large quantities. May cause choking hazard. Do not breath dust.

#### 4. **First Aid measures**

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Ingestion: Consult a physician. If conscious drink plenty of water. Never give anything by mouth to an unconscious person.

Protection of first-aiders: Avoid contact with eyes.

Notes to physician: Oxygen, if needed. Base product is also used as a dietary aid.

#### 5. **Fire fighting measures**

Suitable extinguishing media: Water, carbon dioxide (CO<sub>2</sub>), foam, dry chemical.

Extinguishing media which  
Must not be used for safety  
reasons: None.

Specific hazards: When wet granules will form a viscous gel.

Special protective equipment  
For fire fighters: In the event of fire, wear self contained breathing apparatus.

Specific methods: Standard procedure for chemical fire. Cool containers with water spray.

#### 6. **Accidental release measures**

Personal precautions: Avoid contact with eyes and respiratory system.

Environmental precautions: No specific measures necessary.

Methods for cleaning up: Carefully sweep up and dispose of in accordance with local regulations.

## 7. **Handling and storage**

Technical measures / Precautions: Avoid getting product wet.

Safe handling advice: Avoid contact with eyes and inhalation.

Technical measures / Storage conditions: Keep package tightly closed.

## 8. **Exposure Controls / Personal protection**

Engineering measures  
To reduce exposure: Insure adequate ventilation, especially in confined areas.

Exposure limit(s): None.

Personal protection equipment: None.

Respiratory protection: None.

Hand protection: Not normally required, but the use of light disposable gloves for protection is recommended in appropriate circumstances.

Eye protection: Not normally required, however suitable goggles may be used.

Skin and body protection: None.

Hygiene measures: When using do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. **Physical and Chemical Properties**

Form:	Granules
Vapour pressure (mm Hg):	Not determined
Specific gravity:	Not determined
Water solubility:	Swellable/absorbent
Percent volatile:	Not determined
Vapour density:	N/A
Evaporation rate:	Not determined
Odour:	Negligible

Viscosity:	N/A
Odour threshold:	Unknown
Boiling point:	N/A
Freezing point:	N/A
Molecular weight:	N/A (cross linked polymer)

**10. Stability and Reactivity**

Stability	Material is normally stable at moderately elevated temperatures and pressures
-----------	---

**11. Toxicological information**

Acute toxicity:	The product is considered non-toxic.
Irritation:	The product has passed the following laboratory tests; sensitisation, irritation, cytotoxicity, acute systemic toxicity.
Local effects:	Irritating to eyes. Inhalation may cause irritation of mucus membranes.
Skin contact:	May cause slight skin irritation.
Eye contact:	Eye irritation.

**12. Ecological information**

Mobility:	Soluble.
Further information:	Base material is a natural product.

**13. Disposal**

Contaminated packaging:	No special requirements. Dispose according to local guidelines.
-------------------------	---

**14. Transport Precautions**

Not classified as dangerous in the meaning of transport regulations.

**15. Regulatory information**

See attached label:

**Celox Haemostatic Granules**



R36/37 Irritating to eyes and respiratory system.  
R20/22 Harmful by inhalation and if swallowed.

S25 Avoid contact with eyes.  
S22 Do not breathe dust.  
39 Wear eye/face protection.

## 16. Additional Information

The safety data sheet has been prepared in accordance with EC Directive 2001/58/EC.

**Whilst every care has been taken to be as accurate as possible, this Material Safety Data Sheet has been produced from information and data currently available to MedTrade Products Ltd at the date hereof; however MedTrade Products Ltd cannot be responsible for any errors or omissions. MedTrade Products Ltd provide no warranty with respect to this information and disclaims all liability associated with its use.**