

SAFETY DATA SHEET

COLLSTAB® W-60 / W-80 / W-100

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Date: 03.01.2014

Version: 1

Cancels and replaces Version: -

1 Product and Company identification

Product Name : COLLSTAB® W-60 / W-80 / W-100
Use : Thickener for industrial formulations.
Supplier : COLLTEC® GmbH & Co. KG
Address : Wörheider Weg 1-5
D-33739 Bielefeld
Germany
Telephone number : + 49 (0) 5206 9154-24
Fax number : + 49 (0) 5206 9154-29
Emergency information : National Poisons Information Centre Tel.: +44 171 955095370

2 Hazards identification

EMERGENCY OVERVIEW

Appearance and Odor : White to tan powder with slight odor.
D.O.T. Hazard Classification : Non-hazardous material.
OSHA Hazard : Warning: Combustible dust. Ensure appropriate electrical classification and avoidance of ignition sources in dusty environments.
Handle in a manner consistent with good industrial hygiene practices-avoid creating or inhaling aerosols of this or any other material.

POTENTIAL HEALTH EFFECTS

LIKELY ROUTES OF EXPOSURE: skin contact and inhalation.
EYE CONTACT : No more than slightly irritating based on toxicity studies. The dry powder may cause foreign body irritation in some individuals.
SKIN CONTACT : No more than slightly toxic or slightly irritating based on toxicity studies. Prolonged contact with the dry powder may cause drying or chapping of the skin.
INHALATION : Inhalation of the dust may cause coughing and sneezing.
INGESTION : Is not toxic if swallowed based on toxicity studies. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

3 Composition / information on ingredients

>> Substance

Common chemical name : Welan Gum.
CAS number : 72121-88-1

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4 First-aid measures

IF IN EYES OR ON SKIN, immediate first aid is not likely to be required. However, this material can be removed with water. Wash heavily contaminated clothing before reuse.

IF INHALED, immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air. Remove material from eyes, skin and clothing.

IF SWALLOWED, immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice. Wash heavily contaminated clothing before reuse.

5 Fire - fighting measures

FLASH POINT	:	not applicable.
HAZARDOUS PRODUCTS OF COMBUSTION	:	carbon dioxide, carbon monoxide.
EXTINGUISHING MEDIA	:	In case of fire, use water, dry chemical, CO2, or alcohol foam.
UNUSUAL FIRE AND EXPLOSION HAZARDS	:	This material as normally packaged and handled can contain sufficient fines to form an explosive mixture if dispersed in a sufficient quantity of air. Surfaces that may be covered with this product will become extremely slippery upon application of water.
FIRE FIGHTING EQUIPMENT	:	Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6 Accidental release measures

In case of spill, do not blow material. Use vacuum equipment designed specifically for handling combustible dusts.

NOTE - The use of water wash down is not recommended unless the spilled material is already wet. Wet material on a walking surface will be extremely slippery. Wet spills should be thoroughly flushed with water until non-slippery.

Refer to **Section 13** for disposal information and **Section 15** for reportable quantity information.

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7 Handling and storage

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

Keep away from heat, sparks and flame. Avoid creating dust cloud in handling transfer and clean up. Store in a cool (10-25°C), dry (<65% relative humidity) place in a sealed container.

8 Exposure controls / personal protection

EYE PROTECTION	:	This product does not cause significant eye irritation or eye toxicity requiring special protection. Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.
SKIN PROTECTION	:	Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.
RESPIRATORY PROTECTION:		Avoid breathing dust. Use NIOSH approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.
VENTILATION	:	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

Version: 04 AIRBORNE EXPOSURE LIMITS:

<u>OSHA PEL</u>	<u>ACGIH TLV</u>
15 mg/m ³ (total dust) 8-hr	TWA not established
5 mg/m ³ (respirable) 8-hr	TWA not established

* OSHA has not established specific exposure limits for this material. However, OSHA has established limits for particulates not otherwise regulated (PNOR) which are the least stringent exposure limits applicable to dusts.

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9 Physical and chemical properties

Appearance	:	white to tan powder.
pH	:	approximately neutral (as a 1% solution).
Solubility in Water	:	soluble, forming viscous solutions, becoming a paste at concentrations greater than about 5%.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10 Stability and reactivity

STABILITY	:	Product is stable under normal conditions of storage and handling. Store in a cool, dry place to maintain product performance.
MATERIALS TO AVOID	:	strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Thermal decomposition products may include carbon dioxide and carbon monoxide.
HAZARDOUS POLYMERIZATION	:	will not occur.

11 Toxicological information

The dry powder may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration. Due to the hygroscopic properties of the gums, they can form a paste or gel in the airway.

Data from laboratory studies and from the scientific literature on material(s) analogous to this product are summarized.

- Oral - rat LD50 : > 5,000 mg/kg (practically nontoxic)
- Inhalation – rat LC50 (4-hr exp.) : > 5 mg/l (nominal)
- Eye Irritation – rabbit (not irritating)
- Skin Irritation – rabbit (not irritating)

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12 Ecological information

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for aquatic organism toxicity.

- 96-hr LC50; fathead minnows: >750 mg/L (practically nontoxic).
- 96-hr LC50; mysid shrimp, using 2 lb./bbl. **Welan gum** in a standard drilling mud: 75,000 ppm whole mud.

13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Dry or wet solid material can be landfilled in accordance with local, state, and federal regulations. Liquids may be sewerage in accordance with local, state, and federal regulations if care is taken to avoid pluggage or blockage of sewer systems recognizing that these materials are intended to increase viscosity and form gels. As a carbohydrate, this material is readily biodegradable, when at low concentrations, in a biological wastewater treatment plant.

14 Transport information

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

15 Regulatory information

>> LABELING

EC regulations : Mandatory labelling (self-classification) of hazardous preparations:
NOT APPLICABLE

NOTE : The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 Other information

Registration numbers : -

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.