

EXHIBIT 1

Centers for Disease Control and Prevention, Bentonite, CAS# 1302-78-9, &
ICSC: 0384



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

(<https://www.cdc.gov>)

Promoting productive workplaces
through safety and health research **NIOSH**

BENTONITE

ICSC: 0384

Wilkinite
ICSC # 0384

CAS # 1302-78-9
RTECS # CT9450000
July 04, 1997 Validated

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST!	
• INHALATION		Avoid inhalation of fine dust and mist.	
• SKIN		Protective gloves.	
• EYES		Safety spectacles.	
• INGESTION			
SPILLAGE DISPOSAL		STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Personal protection: P1 filter respirator for inert particles.			
<p>ICSC: Prepared in the context of cooperation between the International Programme on Chemical Safety 0384 & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.</p>			

BENTONITE

ICSC: 0384

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**PHYSICAL STATE;
APPEARANCE:**
ODOURLESS
GRANULES OR
POWDER IN
VARIABLE COLOUR.

**PHYSICAL
DANGERS:**

**CHEMICAL
DANGERS:**
The substance is a
weak base in
suspension in water.

**OCCUPATIONAL
EXPOSURE LIMITS:**
TLV not established.

ROUTES OF EXPOSURE:
The substance can be absorbed into the
body by inhalation of dust.

INHALATION RISK:
Evaporation at 20°C is negligible; a harmful
concentration of airborne particles can,
however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE:

**EFFECTS OF LONG-TERM OR REPEATED
EXPOSURE.**

The substance may have effects on the lungs
, resulting in silicosis due to the presence of
crystalline silica (see ICSC 0808).

**PHYSICAL
PROPERTIES**

Relative density (water = 1): 2.5

Solubility in water: none

**ENVIRONMENTAL
DATA**

NOTES

Bentonites are aluminate silicate and can contain crystalline silica. The content varies widely from less than 1% to about 24%.

ADDITIONAL INFORMATION

ICSC: 0384**BENTONITE**

(C) IPCS, CEC, 1994

**IMPORTANT
LEGAL
NOTICE:**

Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.

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Content source: National Institute for Occupational Safety and Health (<https://www.cdc.gov/NIOSH/>)