



Safety Data Sheet (SDS)

Revision 1/ Review Date: 11/25/2019

1. Chemical Product and Company Identification

Product Name:	HB C-90
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Not available
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Dispersions
OSHA Status:	Hazardous
CAS No:	1305-78-8, 117-81-7

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Skin Corrosion/Irritation, Category 1C
Serious Eye Damage/Eye Irritation, Category 1
Carcinogenicity category 1 A
Toxic to Reproduction, Category 1B
Specific Target Organ Toxicity (single exposure), Category 3
Aspiration Toxicity, Category 1

Warning:



GHS Hazard Phrases:

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H335: May cause respiratory irritation
H350: May cause cancer, although route is inconclusively proven
H360: May damage fertility or the unborn child.
H402 Harmful to aquatic life.

GHS Precaution Phrases:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust, fumes, gas, mist, vapors or spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves, protective clothing, and eye/face protection.

P281: Use personal protective equipment as required.

GHS Response Phrases:

P301+310: If swallowed: Immediately call a POISON CENTER or doctor.

P303+361+353: If on skin or hair: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P307+311: If exposed: Call a POISON CENTER or doctor if you feel unwell.

P308+313: If exposed or concerned: Get medical attention or advice.

P310: Immediately call a POISON CENTER or doctor.

P314: Get medical attention or advice if you feel unwell.

P321: Specific treatment see section 4.

P331: Do NOT induce vomiting.

P363: Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:

P405: Store locked up.

P501: Dispose of contents and containers per section 13.

P403+233: Store container tightly closed in well-ventilated place

Potential Health Effects (Acute and Chronic):

Chronic: Prolonged or repeated skin contact may cause burns or dermatitis. Clean thoroughly with water and vinegar. Chronic inhalation may cause nasal septum ulceration and perforation. If irritation persists, get medical attention. Avoid contact with eyes. Flush thoroughly with water for 15 minutes and get medical attention.

Signs and Symptoms of Exposure:

Burns to the skin. Irritation to the eyes, skin, throat and nose.

Primary Routes of Entry:

Eyes, skin, and inhalation

Medical Conditions Generally Aggravated by Exposure:

Long term exposure can cause irritation, ulceration and perforation of nasal septum.

Eye Contact:

Causes eye burns. Direct eye contact may cause permanent damage.

Skin Contact:

Causes skin burns. May be harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation:

Causes chemical burns to the respiratory tract. May be harmful if inhaled. Inhalation of dust may irritate mucous membranes

HMIS Hazard Ratings:

Health-3 , Flammability -1 , Reactivity -1

HMIS limitation statement:

The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

Principal Hazardous Components:

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
1305-78-8	Calcium oxide	PEL: 5 mg/m3	TLV: 2 mg/m3
117-81-7	Di(2-ethylhexyl) phthalate	PEL: 5 mg/m3	TLV: 5 mg/m3

3. Composition / Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	
1305-78-8	Calcium oxide	87.0 -93.0 %	
117-81-7	Di(2-ethylhexyl) phthalate	7.0 -13.0 %	
14808-60-7	Quartz	< 1.0 %	

4. First Aid Measures

Inhalation:

Get medical aid if needed. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Give medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes, rinse skin with vinegar.

Ingestion:

Do not induce vomiting. Get medical aid immediately. Call a poison control center.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use foam, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water reactive. Material will react with water and may release a flammable and/or toxic gas. Do not use water.

Hazardous Combustion Products: None known.

Unusual fire and explosion hazards: None known.

6. Accidental Release Measures

Steps to be taken in case material is spilled: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not expose spill to water. Do not get water inside containers.

Environmental Disposal Information: Do not let this chemical enter the environment.

Waste Disposal: Reclaim or dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage:

Empty Containers: Not available.

Precautions to be taken in handling: Do not allow water to get into the container because of violent reaction. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water.

Storage: Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from moisture.

8. Exposure Controls / Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1305-78-8	Calcium oxide	PEL: 5 mg/m ³	TLV: 2 mg/m ³	
117-81-7	Di(2-ethylhexyl) phthalate	PEL: 5 mg/m ³	TLV: 5 mg/m ³	
14808-60-7	Quartz	PEL: 8825 ppm/(%SiO ₂ +5)	TLV: 0.05 mg/m ³ (R)	

Exposure Controls: Not available.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Ventilation: Local exhaust.

Hand Protection: Wear appropriate protective gloves to prevent skin exposure.

<u>Eye Protection:</u>	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.
<u>Skin and Body Protection:</u>	Wear appropriate protective clothing to prevent skin exposure.
<u>Other Precautions:</u>	Wash with soap and water before eating, drinking or using toilet facilities. Launder contaminated clothing before reuse.
<u>Decontamination Facilities:</u>	Eye bath, washing facilities (sinks / showers).

9. Physical and Chemical Properties

<u>Physical Form:</u>	Solid
<u>Appearance & Odor:</u>	Beige free flowing powder.
<u>Specific Gravity:</u>	2.07± .05
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Not available.
<u>Flash Point, TAG CC F:</u>	Not available.
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ 1):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Vapor Density (Air ~ 1):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	Not available.
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Not available.

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizing agents, water, acids, Carbon dioxide, chlorine trifluoride, fluorine, Halogens, phosphorus pentoxide, calcium chloride, metallic halides, hydrofluoric acid, Hydrogen fluoride, Ethanol.
<u>Conditions to Avoid:</u>	Water, acids, inter-halogens, phosphorus (V) oxide, dust generation, Exposure to air.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous Decomposition:</u>	Calcium hydroxide.

11. Toxicological Information

Carcinogenicity/Other Information:

CAS# 1305-78-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Proprietary binder not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1305-78-8	Calcium oxide				
117-81-7	Di(2-ethylhexyl) phthalate	Possible	2B	A3	
14808-60-7	Quartz	Known	1	A2	

12. Ecological Information

No data available.

13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

D.O.T. Shipping Name: Not regulated.

Sea - IMDG (International Maritime Dangerous Goods): Not regulated.

TDG Shipping Name: Not regulated.

ADR/RID Shipping Name: Not regulated.

AIR Transport (ICAO/IATA): Shipping Name: Calcium oxide, UN Number: 1910, Packing Group: III, Hazard Class: 8 – CORROSIVE, Additional Information: Transport ERG # 157

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1305-78-8	Calcium oxide	No	No	No
117-81-7	Di(2-ethylhexyl) phthalate	No	Yes 100 LB	Yes
14808-60-7	Quartz	No	No	No

CAS #	Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
1305-78-8	Calcium oxide	No	No	Yes
117-81-7	Di(2-ethylhexyl) phthalate	Yes: Part 1A	Yes - 30.	Yes
14808-60-7	Quartz	No	No	Yes

California Proposition 65



WARNING

This product can expose you to chemicals including Di(2-ethylhexyl) phthalate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAS #	Components (Chemical Name)	Other US EPA or State Lists
1305-78-8	Calcium oxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
117-81-7	Di(2-ethylhexyl) phthalate	CAA HAP,ODC: HAP: VHAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: Yes: Canc+RDTox(M); CA TAC, Title 8: TAC: Cat. IIa, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes: NC TAP; NJ EHS: Yes - 0238; NY Part 597: Yes: HS; PA HSL: Yes - B; SC TAP: Yes; WI Air: Yes
14808-60-7	Quartz	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

CAS #	Components (Chemical Name)	International Regulatory Lists
1305-78-8	Calcium oxide	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 1-189; Japan ISHL: No; Korea ECL: Yes - KE-04588; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 322: WGK 1; Switzerland Giftliste 1: Yes - G-1351; Switzerland INNS: No; Kyoto GHG: No; Rotterdam: No; Stockholm: No
117-81-7	Di(2-ethylhexyl) phthalate	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-1307; Japan ISHL: No; Korea ECL: Yes - KE-02196; Philippines ICCS: Yes; Taiwan TCSCA: 068-01 (1,2); Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 115: WGK 1; Switzerland Giftliste 1: Yes - G-3643; Switzerland INNS: No; Kyoto GHG: No; Rotterdam: No; Stockholm: No
14808-60-7	Quartz	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 1-548; Japan ISHL: No; Korea ECL: Yes - KE-29983; Philippines ICCS: Yes;

Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No;
Germany WHCS: Yes - 849: WGK 0/nwg; Switzerland Giftliste
1: No; Switzerland INNS: No; Kyoto GHG: No; Rotterdam: No;
Stockholm: No

Canadian WHMIS Classification:



CLASS E: Corrosive Materials

Regulatory Information

All ingredients of this product are listed or exempted from the EPA TSCA Inventory.

HEALTH		3
FLAMMABILITY		1
REACTIVITY		2
PPE		

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.