



Safety Data Sheet (SDS)

Revision / Review Date: 3/17/15

1. Chemical Product and Company Identification

Product Name:	HB (Vanilla) 72
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:	Vanilla Extract on silica
Common name:	Vanilla extracts dispersion with silica
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Dispersions
OSHA Status:	Non Hazardous
CAS No:	8014-42-4, 7631-86-9

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 Sensitization, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1A
Toxic To Reproduction, Category 1A

Pictograms:



Signal Words:

Warning/ Danger

GHS Hazard Phrases:

H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H340: May cause genetic defects, state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
H350: May cause cancer, although route is inconclusively proven.
H360: May damage fertility or the unborn child.

GHS Precaution Phrases:

P201: Obtain special instructions before use.

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

P261: Avoid breathing dust, fumes, gas, mist, vapors or spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

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

P281: Use personal protective equipment as required.

GHS Response Phrases:

P302+352: If on skin: Wash with plenty of soap and water.

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

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

P310: Immediately call a POISON CENTER or doctor.

P321: Specific treatment see section 4.

P333+313: If skin irritation or rash occurs, seek medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:

P405: Store locked up.

P501: Dispose of contents and containers per section 13.

Signs and Symptoms of Exposure:

Irritation to the mucous membranes, eyes and skin.

Primary Routes of Entry:

Skin and eyes.

Medical Conditions Generally Aggravated by Exposure:

Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous system diseases may be at increased risk from exposure to this substance.

Emergency overview:

A white/buff colored free flowing powder that may be harmful if swallowed or absorbed through the skin. Can be irritation to mucous membranes. Not considered hazardous.

Potential health effects:

Chronic: May cause reproductive and fetal effects. Laboratory experiments have shown mutagenic effects. Animal studies have reported the development of tumors. Prolonged exposure may cause liver, kidney, and heart damage.

Eye Contact:

Causes eye irritation. Causes severe eye irritation. May cause chemical conjunctivitis and corneal damage.

Skin Contact:

May be harmful if absorbed through the skin. Causes moderate skin irritation. May cause cyanosis of the extremities.

Ingestion:

May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages

may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Inhalation:

May be harmful if inhaled. Causes respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

HMIS Hazard Ratings:

Health- 1, Flammability -0, Reactivity-0, Protection- C

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:

Silica, CAS No. 7631-86-9, OSHA PEL: 15 (dust); 5 (resp.) Mg/m³, ACGIH TWA TLV: 10 mg/m³ (E)

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
72%	Vanilla	8014-42-4
28%	Silica	1344-95-2/7631-86-9

4. First Aid Measures

Inhalation:

Remove to fresh air; give artificial respiration or oxygen if necessary.

Eyes:

Flush eyes with copious quantities of water while holding eyelids open for 15 minutes. If symptoms persist consult physician.

Skin:

Remove contaminated clothing and wash exposed area with soap and water. If irritation persists, consult a physician. If in contact with hot product, treat as a burn.

Ingestion:

Do not induce vomiting. Seek medical attention. If individual is drowsy, do not give anything by mouth.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Water fog, Dry Chemical, Carbon Dioxide, Foam.

Special Fire Fighting Procedures:

Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. The product itself does not burn. Replace fluid and electrolytes. As in any fire, wear a

self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous Combustion Products:

Will decompose under extreme temperatures forming oxides of carbon.

Unusual fire and explosion hazards:

Not available.

6. Accidental Release Measures

Steps to be taken in case material is spilled:

Wear appropriate personal protective clothing, gloves and equipment. Contain spill and sweep up. Transfer to secure containers and dispose of according to local and state regulation. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental Disposal Information:

Do not let in sewers or natural waterway.

Waste Disposal:

Keep in suitable, closed containers for disposal. All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

7. Handling and Storage

Empty Containers:

Can be rinsed with a suitable solvent and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations.

Precautions to be taken in handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks and flame. Keep away from

sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

8. Exposure Controls / Personal Protection

<u>Exposure Controls:</u>	Not available.
<u>Respiratory Protection:</u>	Respirators should be selected when TWA exceeded. Avoid hot vapors when missing or packaging.
<u>Ventilation:</u>	Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.
<u>Hand protection:</u>	Wear gloves.
<u>Eye Protection:</u>	Wear safety glasses with shields.
<u>Skin and Body Protection:</u>	Wear impervious clothing, boots and apron as appropriate.
<u>Other Precautions:</u>	Exercise good chemical handling practice.
<u>Decontamination Facilities:</u>	There should be a shower facility and eyewash.

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
1344-95-2	Synthetic calcium silicate	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)
NA	Vanilla		

9. Physical and Chemical Properties

<u>Physical Form:</u>	Powder
<u>Appearance & Odor:</u>	Tan to beige free flowing powder. Vanilla odor.
<u>Specific Gravity:</u>	1.61 ± .10
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Not available.
<u>Flash Point, TAG CC F:</u>	240°F
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Vapor Density (Air ~ I):</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, acids, Alkali metals, Ammonia, hydrazine, Peroxides, Sodium, Acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, Perchloric acid, silver nitrate, mercuric nitrate, potassium tert-butoxide, magnesium perchlorate, Acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate.
<u>Conditions to Avoid:</u>	Avoid extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous Decomposition product:</u>	This product decomposes under high temperature and hydrolyses in humid conditions. Silicon oxides. Calcium oxide, Carbon monoxide, irritating and toxic fumes and gases.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

<u>OSHA Permissible Exposure Limit:</u>	Silica, CAS No. 7631-86-9, 15 (dust); 5 (resp.) mg/m ³
<u>ACGIH TWA TLV:</u>	Silica, CAS No. 7631-86-9, 10 mg/m ³ (E)

12. Ecological Information

Environmental: When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant.

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

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

Air - ICAO (international Civil Aviation Organization): Non-hazardous.

Sea - IMDG (International Maritime Dangerous Goods): Non-hazardous.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

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

CAS #	Components (Chemical Name)	Section 302 (EHS)	Section 304 RQ	Section 313 (TRI)
1344-95-2	Synthetic calcium silicate	No	No	No
NA	Vanilla	No	No	No

SARA 313 Reportable Ingredients: None.

New Jersey RTK Label Information: Vanilla, CAS No. 8014-42-4, Silica, CAS No. 7631-86-9

Pennsylvania RTK Label Information: Vanilla, CAS No. 8014-42-4, Silica, CAS No. 7631-86-9

CAS #	Components (Chemical Name)	Other US EPA or State Lists
1344-95-2	Synthetic calcium silicate	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: Yes - 4002; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
NA	Vanilla	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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: No; SC TAP: No; WI Air: No

CAS #	Components (Chemical Name)	International Regulatory Lists
1344-95-2	Synthetic calcium silicate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - (1)-194; Japan ISHL: No; Korea ECL: Yes - KE-30982; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: No; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
NA	Vanilla	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: No; New Zealand IOC: No; China IECSC: No; Japan ENCS: No; Japan ISHL: No; Korea ECL: No; Philippines ICCS: No; Taiwan TCSCA: No; Singapore HSL: No; Israel HSL: No; Germany WHCS: No; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: No; Kyoto GHG: No; Rotterdam: No; Stockholm: No

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.