

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **HARVEYSEAL – Formula 55 Yellow Sealant**

Part Numbers:

025020	025024	025054	025095	025215
025020-D	025050	025080	025096	025220
025021	025050-D	025082	025097	025230
025022	025052	025083	025200-48	Premier 441031
025023	025053	025084	025210	Premier 441032

Product Use: Special sealant for lines carrying LP and natural gas.
Formula: See Section 3.
Synonyms: Gas line sealant.
Firm Name & Mailing Address: William H. Harvey Company
4334 South 67th Street
Omaha, NE 68117-1019 <http://www.wmharvey.com>
Emergency Phone Numbers: For chemical transportation emergencies ONLY, call CHEMTREC at (800)424-9300. Outside the U.S. (703)527-3887.
Information
Telephone Number: (800)228-9681
Prepared By: Corporate Director – Safety and Environmental Compliance
Contact: Information telephone number – (800) 228-9681
Preparation Date: May 10, 2007

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:

Thick yellow paste with a petroleum odor. May cause mild irritation to the eye and skin. Inhalation of vapors may cause respiratory tract irritation, and possible dizziness. Long term inhalation of dust may cause silicosis or cancer.

Potential Health Effects:

Skin: Irritation, including redness and dryness.
Eyes: May cause mechanical irritation, redness, tearing, and blurred vision.
Inhalation: Vapors may cause irritation to mucous membranes and the respiratory system.
Headache, dizziness. Long term inhalation of dust may cause silicosis or cancer.
Ingestion: May cause irritation to the mouth and throat.

OSHA Hazard Classification: Irritant, target organ effects

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS:</u>	<u>% wt/wt:</u>	<u>CAS NUMBER:</u>
Calcium Carbonate	60 – 70%	1317-65-3
Oxidized Soy Bean Oil	10 – 20%	68152-81-8
2-Butoxyethanol	5 – 10%	111-76-2
Silicon Dioxide	1 – 5%	112926-00-8
Crystalline Silica	< 1.4%	14808-60-7

SECTION 4 FIRST AID MEASURES

CALL 1-877-740-5015

- Skin: Remove contaminated clothing. Wash thoroughly with soap and water. Call a physician or poison control center if irritation develops.
- Eyes: Remove contact lenses if any. Rinse eyes with water for 15 minutes. Get medical attention if irritation develops.
- Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician if symptoms persist.
- Ingestion: **NEVER** give anything by mouth if victim is unconscious. Have victim rinse mouth thoroughly with water. **DO NOT INDUCE VOMITING.** If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call the Poison Control Center at 1-877-740-5015.

SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing Media: Use dry chemical, CO₂, water, or foam extinguisher.
- Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.
- Unusual Fire and Explosion Hazards: None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Spill or Leak Procedures: Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.

SECTION 7 HANDLING AND STORAGE

- Handling: Do not get in eyes. Do not get on skin or clothing. Do not take internally. Avoid breathing vapors or fumes. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use. Handle with care. Keep out of reach of children.
- Storage: Store in original, labeled container.
- Other: Containers, even empty, will retain residue and may be harmful.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENTS:</u>	<u>CAS NUMBER:</u>	<u>ACGIH TLV TWA</u>	<u>OSHA PEL TWA</u>
Calcium Carbonate	1317-65-3	10 mg/m ³ (<1% crystalline silica)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)
2-butoxyethanol	111-76-2	20 ppm	50 ppm
Silica, amorphous	112926-00-8	10 mg/m ³	80 mg/m ³ / %SiO ₂
Crystalline silica	14808-60-7	0.025 mg/m ³	10 mg/m ³ / %SiO ₂

- Ventilation: Good general ventilation (equivalent to outdoors) should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.
- Respiratory Protection: For operations where the TLV may be exceeded, a NIOSH approved particulate / organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.
- Skin Protection: Normally not needed. Launder soiled clothing before re-use.
- Eye Protection: Safety glasses with sideshields or safety goggles.
- Other: Eye wash and safety shower should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint / Method: 145 Degrees F (62 Degrees C). (Estimated)
Flammability: LEL = Not determined, UEL = Not determined.
Boiling Point: Not determined.
Melting Point: Not determined.
Vapor Pressure: Not determined.
Vapor Density: (Air = 1) Greater than 1.
Volatile Components: Not determined.
Solubility In Water: Negligible.
pH: Not applicable.
Specific Gravity: 1.67 @ 20 Degrees C.
Evaporation Rate: Not applicable.
Appearance: Thick Yellow Paste.
Odor: Petroleum odor.
Will Dissolve In: Not determined.
Material Is: Paste.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.
Conditions To Avoid: None.
Hazardous Decomposition Products: Hydrocarbons, aldehydes, smoke, carbon monoxide, carbon dioxide. Oxides of nitrogen.
Incompatibility/ Materials To Avoid: Strong oxidizing agents, strong acids.
Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation: Vapors may cause headache, dizziness, and irritation to mucous membranes. Dust may contain crystalline silica. Long term inhalation may cause silicosis or cancer.
Skin: Contact may cause mild irritation.
Eye: Vapors or fumes may cause redness and irritation.
Ingestion: May cause irritation.
Toxicity Data: 2-Butoxyethanol: Oral LD50 (rat): 1,746 mg/kg.
Dermal LD50 (rabbit): 435 mg/kg.
Inhalation LC50 (mouse): 7h: 700ppm.
Calcium Carbonate: Oral LD50 (rat): 6,450 mg/kg.
Sensitization: None of the components are known to cause sensitization.
Carcinogenicity: Crystalline silica is listed by IARC as a Group 1 carcinogen (carcinogenic to humans). ACGIH lists crystalline silica as a suspect human carcinogen (A2).
Mutagenicity: None of the components have been found to be mutagenic.
Reproductive Toxicity: None of the components are known to cause adverse reproductive effects.
Medical Conditions Aggravated By Exposure: Persons with pre-existing skin or lung disorders may be at increased risk from exposure to this product.

SECTION 12 ECOLOGICAL INFORMATION

Acute Aquatic Effects Data: 2-Butoxyethanol: 24 h LC50 (goldfish): 1,650 - 1700 mg/l.
96 h LC50 (fathead minnow): 2137 mg/l.
24 h LC50 (daphnia): 1,850 mg/l.
48 h LC50 (daphnia): 835 mg/l.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with federal, state, and local regulations. It is the responsibility of the end-user to determine at the time of disposal of the product.

EPA Hazardous Waste Number: None.

EPA Hazard Waste Class: None.

SECTION 14 TRANSPORT INFORMATION

DOT

Proper Shipping Name: Not regulated in quantities less than 119 gallons.

Hazard Class/Packing Group: None.

UN/NA Number: None.

Hazard Labels: None.

IMDG

Proper Shipping Name: Not regulated.

Hazard Class/Packing Group: None.

UN/NA Number: None.

Hazard Labels: None.

SECTION 15 REGULATORY INFORMATION

Hazard Category for Section 311/312: Acute Health, Chronic Health, Fire

Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Title III, Section 302.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

<u>Chemical</u>	<u>CAS #</u>	<u>% by wt.</u>
2-Butoxyethanol	111-76-2	5 – 10%

CERCLA 103 Reportable Quantity: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for 2-butoxyethanol (10% max) of 1 lb, is 10 lbs.

<u>Chemical</u>	<u>CAS #</u>	<u>RQ, lbs.</u>
2-Butoxyethanol	111-76-2	*

* A statutory RQ of one pound was assigned. No final RQ has been assigned to the broad class of glycol ethers.

California Proposition 65: Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

TSCA Inventory: This product may contain a small quantity of crystalline silica, which is known to the State of California to cause cancer.

Canadian WHMIS Classification: All of the components of this product are listed on the TSCA inventory. Class D, Division 2, Subdivision B; B3; D1A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16 OTHER INFORMATION

NFPA and HMIS:

NFPA Hazard Signal	Health: 2	Flammability: 2	Reactivity: 0	Special: None
HMIS Hazard Signal:	Health: 2*	Flammability: 2	Reactivity: 0	PPE: A

Disclaimer:

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