



**WesBond Corporation  
Material Safety Data Sheet**

**Bindzil® 2040**

Revision Date: 07/21/2011	Supercedes: 07/11/2008	First Issued: 01/01/1999
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**Section 1. Chemical Product and Company Identification**

Sales Name	<b>Bindzil® 2040</b>
Product Description	Amorphous silica in water
CAS Number	N/A

Manufacturer	EKA Nobel for WesBond Corporation	
Address	1135 E. 7 <sup>th</sup> Street Wilmington, DE 19801	
Contact	Wes Jones	
Telephone (0800 – 1630 EST)	302-655-7917	
Approved By	Wes M Jones	

<b>Emergency Telephone</b>	US – CHEMTREC (24 hrs) CANADA – CANUTEC (24 hrs)	800-424-9300 613-996-6666
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**Section 2. Composition / Information on Ingredients**

Component	CAS Number	Weight %
Amorphous Silica	7631-86-9	30 – 50%
Sodium Hydroxide	1210-18-5	<1%
Water	7732-18-5	50 – 90%

**Section 3. Hazard Identification**

<b>Emergency Overview</b>	<b>A translucent, odorless clear liquid which is a mild skin and eye irritant.</b>
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<b>Potential Health Effects</b>	
<b>Eyes</b>	Slightly irritating.
<b>Skin</b>	Slightly irritating.
<b>Inhalation</b>	Not a normal route of exposure.
<b>Ingestion</b>	None expected.
(See Section 11 for Toxicological Information)	

**Section 4. First Aid Measures**

<b>EYES</b>	Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain medical attention if irritation persists.
<b>SKIN</b>	Wash with water, use skin cream if necessary. Remove all contaminated clothing, and launder before reuse.
<b>INHALATION</b>	Not a normal route of entry.
<b>INGESTION</b>	Immediately rinse mouth with water. Finally drink water. If necessary seek medical attention.



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<b>Notes to physician</b>	None.
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**Section 5. Fire Fighting Measures**

Fire Extinguishing Media	N.A
Flash Point (°F)	Noncombustible.
Special Fire Fighting Procedures	Non flammable (water)
Flammable Limits ( Vapor In Air, Vol.% )	N.A.
Unusual Fire And Explosion Hazards	Product will not burn, not explosive.
Hazardous Decomposition Products	None

**Section 6. Accidental Release Measures**

Large Spillages	Collect as much as possible in a clean container for reuse or disposal.
Small Spillages	Same as above
Personal Protection	Goggles, rubber/PVC gloves, and full working clothes recommended.

**Section 7. Handling and Storage**

Electrostatic Accumulation Hazard	N/A
Usual Shipping Containers	Drums, liquid totes, bulk tank car
Storage/Transport Temperature	Ambient. Protect from freezing and temperatures above 150°F / 66°C.
Storage/Transport Pressure	Ambient.
Load/Unload Temperature	Ambient.
Storage and Handling Materials	Plastic, stainless steel. Do not store in light metal containers (aluminum).

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	No specific measures required.
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<b>Personal Protective Equipment</b>	
<b>Eyes</b>	Safety glasses with side shields or chemical goggles. Eyewash fountain should be within direct access.
<b>Skin</b>	Neoprene gloves provide protection against skin irritation.
<b>Respiratory Protection</b>	None required; avoid breathing dried residues. Use NIOSH approved respirator whenever workplace conditions warrant use.
<b>Personal Hygiene</b>	Wash thoroughly after handling
<b>General Hygiene</b>	Equipment in contact with material should be rinsed with water prior to repair and maintenance.

**Exposure Guidelines**



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Component	PEL-OSHA	TLV-ACGIH
Amorphous Silica	10 mg/m <sup>3</sup> , 8 hour TWA 5 mg/m <sup>3</sup> , respirable dust or mist	
Sodium Hydroxide	2 mg/m <sup>3</sup>	
Water	N/A	No limit set, non-toxic

**Section 9. Physical and Chemical Data**

Appearance	Translucent liquid
Color	Clear
Odor	Odorless
pH	9 to 10
Specific Gravity	1.39
Solubility In Water	Infinite (disperses)
Solubility In Other Solvents	No
Vapor Pressure	Same as water
Melting Point	N/A
Boiling Point	100°C/212°F (Same as water)
Evaporation Rate (water = 1)	N/A

**Section 10. Stability and Reactivity**

Stability	Stable
Conditions To Avoid	Freezing and temperatures above 150°F / 66°C.
Incompatibility (Materials To Avoid)	None
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

Toxicological Information	This product contains amorphous silicon dioxide. No cases of silicosis have been reported from amorphous silica.
Acute Oral Toxicity	LD50 (oral, rat) > 3,160 mg/kg. (as 100% silicon dioxide).
Acute Dermal Toxicity	No information.
Inhalation Effects	Rat TCLo=50 mg/m <sup>3</sup> /6hr/2Y-I:I-CAR.
Irritation to Skin	Slightly irritating.
Irritation to Eyes	Slightly irritating.
Sensitization Data	Not a sensitizer (Magnusson-Kligman test).
Reproductive toxicity/teratogenicity	No information.
Carcinogenicity/mutagenicity & long term effects	No information.
Epidemiology	No information.
Neurotoxicity	No information.



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**Section 12. Ecological Information**

Biodegradability	Not relevant, inorganic product.
Aquatic toxicity	FISH: Zebra fish LC50 (96 hrs) > 5000 mg/l. DAPHNIA: Ceriodaphnia EC50 (48 hr) = 7600 g/l. ALGAE: Selenastrum capricornutum IC50 (48 hr) = 440 mg/l.
Ecological Information	No information.
Environmental Effects	No information.

**Section 13. Disposal Considerations**

Product disposal	In accordance with municipal, provincial, state, and federal regulations.
RCRA	Not a listed hazard.

**Section 14. Transport Information**

General	No Information.
Transport Summary	Not classified as dangerous for transport.
UN/ID number	N/A
DOT/TAG	N/A
IMDG (Sea)	N/A
Proper shipping name	Not regulated
Air (ICAO/IATA-DGR)	N/A

**Section 15. Regulatory Information**

<b>US Federal Regulations</b>	
U.S. TSCA	In compliance
OSHA regulated	Not controlled
SARA 302	Not subject to SARA 302.
SARA 311/312	Not subject to SARA 311/312.
SARA 313	Not subject to SARA 313.
California Proposition 65	Not subject to California Proposition 65.
CERCLA reportable quantities	Contains sodium hydroxide (<1%) RQ=1000 lbs.

<b>International Regulations</b>	
Canada DSL/NDSL	In compliance
WHMIS classification	Not controlled

**Section 16. Other Information**

<b>Abbreviations</b>			
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>CAS</b>	Chemical Abstract Service	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HMS</b>	National Paint & Coating Hazardous Materials	<b>SARA</b>	Superfund Amendment and Reauthorization Act



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	Identification System		
<b>IARC</b>	International Agency for Research on Cancer	<b>PEL</b>	Permissible Exposure Limit
<b>N/A</b>	Not Applicable	<b>TLV</b>	Threshold Limit Value
<b>NFPA</b>	National Fire Protection Association Hazard Ratings	<b>TWA</b>	Time Weighted Average

<b>HMIS – National Paint &amp; Coating Hazardous Materials Identification System</b>	
<b>1</b>	Health Hazard Rating - Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Reactivity Rating - Minimal
<b>B</b>	Personal Protection – Safety Glasses, Gloves
<b>NFPA – National Fire Protection Association Hazard Ratings</b>	
<b>1</b>	Health Hazard Rating - Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Instability Rating - Minimal
<b>ALK</b>	Special Hazards – Alkaline (pH > 7)

**The information on this safety data sheet is believed to be accurate and it is the best information available to WesBond Corporation. This document is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. WesBond Corporation makes no warranty of merchantability or any other warranty, express or implied with respect to such information of the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this safety data sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.**