



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

Revision Date: 07/21/2011	Supercedes: 07/08/2008	First Issued: 01/21/2002
---------------------------	------------------------	--------------------------

Section 1. Chemical Product and Company Identification

Sales Name	Bluonic A	
Product Description	Alumina Ceramic Binder	
CAS Number	N/A	

Manufacturer	Wesbond Corporation	
Address	1135 East 7 th St, Wilmington, DE 19801	
Contact	Wes Jones	
Approved By	Wes M Jones	

Telephone Numbers	US – CHEMTREC (24 hrs) CANADA – CANUTEC (24 hrs) MSDS and Product Information (0800 – 1630 EST)	800-424-9300 613-996-6666 302-655-7917
--------------------------	---	--

Section 2. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alumina (Colloidal)	1318-23-6	< 10 %
Aluminum Chloride	1204-29-10	< 30 %
Proprietary Organic Acid		< 1 %
Water	7732-18-5	balance

Additional Information	Refer to Section 8, Subheading “Exposure Guidelines,” for additional information concerning exposure limits.
-------------------------------	--

Section 3. Hazard Identification

Emergency Overview	A dark blue white liquid which is a mild skin and eye irritant.
---------------------------	--

Potential Health Effects	
Eyes	Liquid or dry form may cause irritation of eyes.
Skin	Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.
Inhalation	This product is not considered an inhalation hazard. However, if the product dries, it may form a dust which when breathed may irritate upper respiratory tract upon repeated or prolonged contact. When dried, this material is a nuisance dust and as such, does not produce significant organic disease or toxic effect with reasonable exposures.
Ingestion	No hazard under normal circumstances. Ingestion of large quantities may lead to discomfort, nausea, and vomiting.
(See Section 11 for Toxicological Information)	



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

Section 4. First Aid Measures

EYES	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
SKIN	Flush skin with plenty of water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse.
INHALATION	Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.
INGESTION	If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
Notes to physician	None.

Section 5. Fire Fighting Measures

Fire Extinguishing Media	N/A.
Flash Point (°F)	Noncombustible.
Special Fire Fighting Procedures	Nonflammable.
Flammable Limits (Vapor In Air, Vol.%)	N.A.
Unusual Fire And Explosion Hazards	Product will not burn unless evaporated to dryness.
Hazardous Decomposition Products	Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritation compounds.

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

Handling Information	Practice reasonable care to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored and/or used.
Electrostatic Accumulation Hazard	N/A
Usual Shipping Containers	Drums.
Storage/Transport Temperature	Keep from freezing. Store at temperatures between 40°F and 110°F.
Storage/Transport Pressure	Ambient.
Load/Unload Temperature	Ambient.
Storage and Handling Materials	Polypropylene or polyethylene lined drums, 304 stainless steel, and high baked epoxy phenolic lined carbon steel are suitable.



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Adequate ventilation is recommended to reduce levels of air contaminants below the exposure limits. (See exposure guidelines of this section.)
-----------------------------	--

Personal Protective Equipment	
Eyes	Safety glasses with side shields or chemical goggles. Eyewash fountain should be within direct access.
Skin	Wear clean, long-sleeved, body-covering clothing. Nitrile, neoprene, or rubber gloves should provide protection against skin contact.
Respiratory Protection	None required; avoid breathing dried residues. Use NIOSH approved respirator whenever workplace conditions warrant use.
Personal Hygiene	Wash thoroughly after handling
General Hygiene	Equipment in contact with material should be rinsed with water prior to repair and maintenance.

Exposure Guidelines		
No exposure limits have been established for this material. It is recommended exposure be kept below the limits set for Nuisance Dust (Nuisance Particulates)		
Component	PEL-OSHA	TLV-ACGIH
Aluminum Oxide	15 mg/m ³ , total dust 5 mg/m ³ , respirable dust	10 mg/m ³
Aluminum Chloride	2 mg/m ³ , 8 hour TWA	2 mg/m ³ , 8 hour TWA
Proprietary Organic Acid	2 mg/m ³	2 ppm
Unless otherwise noted, all values are reported as 8-hour Time-Weighted-Averages (TWA) and total dust (particulates only).		

Section 9. Physical and Chemical Data

Appearance	Blue liquid.
Odor	Slight chlorine odor.
pH	3 – 5
Specific Gravity	1.13
Solubility In Water	Product as sold is dilutable.
Solubility In Other Solvents	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Melting Point	0°C/32°F (Same as water)
Boiling Point	100°C/212°F (Same as water)
Evaporation Rate (water = 1)	N/A



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

Section 10. Stability and Reactivity

Stability	This material is stable during storage and during its intended use.
Conditions To Avoid	Freezing. Product can decompose at elevated temperatures.
Incompatibility (Materials To Avoid)	Addition of chemicals such as caustics may cause gelation.
Hazardous Decomposition Products	Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce chlorine.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicological Information	This product has not been specifically tested. Data for a similar product are provided below
Acute Oral Toxicity	LD50 (oral, rat) > 5,000 mg/kg.
Acute Dermal Toxicity	No information.
Inhalation Effects	No information.
Irritation to Skin	Slightly irritating.
Irritation to Eyes	Slightly irritating.
Sensitization Data	No information.
Reproductive toxicity/teratogenicity	No information.
Carcinogenicity/mutagenicity & long term effects	No information.
Epidemiology	No information.
Neurotoxicity	No information.

Section 12. Ecological Information

Biodegradability	Not relevant; inorganic product.
Ecotoxicity	No information.
Movement & Partitioning	No information.
Environmental Effects	No information.

Section 13. Disposal Considerations

Product disposal	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. FOR UNUSED OR UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device.
RCRA	NOT A RCRA HAZARDOUS WASTE. When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

Section 14. Transport Information

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

Section 15. Regulatory Information

US Federal Regulations	
U.S. TSCA	All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.
OSHA regulated	Not controlled
SARA 302	No information.
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	N/A

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

Section 16. Other Information

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

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



**WesBond Corporation
Material Safety Data Sheet**

Bluonic A

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

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.