



**WesBond Corporation  
Material Safety Data Sheet**

**Wesol A, C, D Alumina Sols**

Revision Date: 07/21/2011	Supercedes: 10/05/2010	First Issued: 01/01/1999
---------------------------	------------------------	--------------------------

**Section 1. Chemical Product and Company Identification**

Sales Name	<b>Wesol A, C, D</b>
Product Description	Liquid Alumina Sols
CAS Number	N/A

Manufacturer	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>Telephone Numbers</b>	US – CHEMTREC (24 hrs) CANADA – CANUTEC (24 hrs)	800-424-9300 613-996-6666
--------------------------	---	------------------------------

**Section 2. Composition / Information on Ingredients**

Component	CAS Number	Weight %
Aluminum Oxide Hydroxide	24623-77-6	10 – 30%
Proprietary Mineral Acid		<1%
Water	7732-18-5	70 – 90%

**Section 3. Hazard Identification**

<b>Emergency Overview</b>	<b>A milky white liquid which is a mild skin and eye irritant.</b>
---------------------------	--

Potential Health Effects	
<b>Eyes</b>	Liquid or dry form may cause irritation of eyes.
<b>Skin</b>	Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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**

**Wesol A, C, D Alumina Sols**

**Section 4. First Aid Measures**

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

**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	5-gallon pail, drum, liquid totes
Storage/Transport Temperature	Ambient.
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.

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

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



**WesBond Corporation  
Material Safety Data Sheet**

**Wesol A, C, D Alumina Sols**

<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.

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

**Section 9. Physical and Chemical Data**

Appearance	Milky liquid
Color	White
Odor	Odorless
pH	3 - 6
Specific Gravity	1.1 - 1.3
Solubility In Water	Infinite
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.



**WesBond Corporation  
Material Safety Data Sheet**

**Wesol A, C, D Alumina Sols**

**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. <sup>1</sup>
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.
Aquatic toxicity	No information.
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.



**WesBond Corporation  
Material Safety Data Sheet**

**Wesol A, C, D Alumina Sols**

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 no chemicals on the CERCLA Hazardous Substance List.

<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>HMIS</b>	National Paint & Coating Hazardous Materials Identification System	<b>SARA</b>	Superfund Amendment and Reauthorization Act
<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

**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.**