

**SECTION I – MATERIAL IDENTIFICATION**Trade/Material Name: **Alumina Suspension****SECTION II – COMPOSITION/INFORMATION ON INGREDIENT**

CHEMICAL NAME	APPROX %	COMMON NAME	REG*(Y/N)	CAS #	P.E.L. (mg/m3)	TLV(mg/m3)
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**CARCIN. (Y/N)**

Al<sub>2</sub>O<sub>3</sub> 98.5 min Alumina Y 1344-28-1 10 10 NSiO<sub>2</sub> 0.6-1.0 Silicate Glass Y 7631.86-9 6 10 N

% ON A DRY BASIS: this is a water slurry containing about 80% water.

All ingredients are listed under TSCA

\*Materials are regulated by OSHA 29 CFR 1910.1200. Hazard Communication Standard, and/or the Massachusetts General Law Chapter

111R, Right to Know Regulations.

**SECTION 3. PHYSICAL AND CHEMICAL DATA****BOILING POINT:** 100°C (of water)**MELTING POINT:** 2000°C for**VAPOR PRESSURE:** Water **VOLATILE BY VOL.:** 80% **VAPOR DENSITY:** N/A**EVAPORATION RATE:** Water **WATER SOL.:** None **ALCOHOL SOL.:** N/A**SOL. IN SOLVENTS:** N/A **APPEARANCE & ODOR:**

Water slurry

**SECTION 4. FIRST AID MEASURES****Flash Point:** N/A**(Method used):** N/A**Flammable limits:** LEL N/A UEL

N/A

**Extinguishing Media:** N/A**Special Fire Fighting****Procedures:**

N/A

**Explosion Potential:** N/A**SECTION 5. HEALTH, FIRST AID AND MEDICAL DATA****Primary Route(s) of Entry Acute and Chronic Health effects and effects of overexposure FIRST AID AND MEDICAL INFORMATION INHALATION** Acute: Coughing, shortness of breath Chronic: May affect breathing capacity. Remove to fresh air. Apply artificial respiration as needed. Obtain first aid or medical assistance.**INGESTION** No known adverse effects, but ingestion not recommended. Obtain first aid or medical assistance, if needed.**SKIN CONTACT & ABSORPTION** May be irritating Wash affected areas with soap and water. Obtain first aid or medical assistance if needed.**EYE** Dust may irritate eyes. Irrigate with large amounts of water; obtain medical assistance, if needed.**OTHER POTENTIAL****RISKS** NAIF NAIF



**SECTION 6. CORROSIVITY AND REACTIVITY DATA**

**STABILITY:** Stable  
**POLYMERIZATION:** Will not occur  
**INCOMPATIBILITY (MATERIALS TO AVOID):** None Known  
**DECOMPOSITION PRODUCTS:** Steam from water in slurry.  
**CONDITIONS TO BE AVOIDED:** N/A

**SECTION 7. STORAGE, HANDLING AND USE PROCEDURES**

**NORMAL STORAGE AND HANDLING:** When dust is generated, use appropriate dust respirators or keep dust levels below recommended TLV/PEL levels. See OSHA 29CFR 1910.94 (Ventilation) and 29 CFR 1910.1000 (Air contaminants)  
**NORMAL USE:** Same as above  
**STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Same as above  
**WASTE DISPOSAL METHOD:** Standard landfill methods consistent with applicable Federal, State, and local law

**SECTION 8. PERSONAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** As needed, approved dust respirator. See OSHA 29CFR 1910.34  
**VENTILATION:** LOCAL: Recommended MECHANICAL (GENERAL): Recommended OTHER: NAIF  
**PROTECTIVE GLOVES:** As desired by user.  
**OTHER EQUIPMENT:** NAIF  
**MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:**  
See Section VII and VIII

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Purple Liquid Specific Gravity: 1.0-1.05  
Odor: No appreciable Boiling Point: 102 C  
pH: >7 Melting Point: Unknown  
Vapor Pressure: Unknown Flash Point: Unknown  
Vapor Density: Unknown Explosion Limits: Unknown  
Evaporation Rate: Unknown  
NFPA Rating: (estimated) Health: 1; Flammability: 0; Reactivity: 0

**SECTION 10. SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** See Above  
**OTHER PRECAUTIONS:** NAIF arising, even if Metlab Corporation has been advised of the possibilities of such damages.