

# MATERIAL SAFETY DATA SHEET

**IMTEK**

## AMMOSORB™ AMMONIA ABSORBENT

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** AmmoSorb™ Ammonia Absorbent

**PRODUCT USE:** Absorbing ammonia and ammonium ions. Filter media. Odor & Pollution Control

**SYNONYMS:** Mineral

**SUPPLIER:** IMTEK Environmental Corporation

**ADDRESS:** PO BOX 2066, Alpharetta, GA USA

**EMERGENCY PHONE (Medical/Roadside Assistance):** 1-800-424-9300

**OTHER CALLS:** 1-770-667-8621

**FAX:** 1-770-667-8683

**ISSUED:** 4-09-19

**VERSION:** 6.0

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>% WT</u>	<u>EXPOSURE TO DUST</u>
Ammosorb™	95-100	OSHA PEL-TWA: 15 mg/m3 (Total) OSHA PEL TWA : 5 mg/m3 (Respirable) ACGIH TLV-TWA: 10 mg/m3 (Total) ACGIH TLV-TWA: 3 mg/m3 (Respirable)

There are no established exposure levels for this product. The guidelines are for dust.

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Avoid prolonged or repeated breathing of dust. Use powder with adequate ventilation. May contain trace free silica impurities below 0.1%.

**ROUTES OF ENTRY:** Inhalation

#### **POTENTIAL HEALTH EFFECTS**

**EYES:** No

**SKIN:** No

**INGESTION:** No

**INHALATION:** Yes

**ACUTE HEALTH HAZARDS:** Transient upper respiratory irritant when exposed to high levels of dust.

**CHRONIC HEALTH HAZARDS:** Exposure to very high levels of respirable dust over long periods in excess of Permissible Exposure Levels (PEL) may result in health problems. Chronic tobacco smoking may further increase the risk of developing chronic lung problems.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Pre-existing upper respiratory irritation and lung disease when exposed to excessive dust levels in confined areas.

**CARCINOGENICITY** (excluding impurities)

OSHA: No      ACGIH: No      NTP: No      IARC: No

## **SECTION 4: FIRST AID MEASURES**

**EYES:** Wash eyes with running water for 15 minutes. Obtain attention if irritation persists or develops later.

**SKIN:** Wash skin with mild soap and water. Contact physician if skin is irritated.

**INGESTION:** Do not induce vomiting. Have conscious person drink several glasses of water or milk. Seek medical attention as needed.

**INHALATION:** Remove to fresh air if there is extensive dust inhalation. Dust in throat and nasal passages should clear spontaneously; give oxygen or CPR if necessary. Seek medical attention for treatment, observation and support as needed.

## **SECTION 5: FIRE-FIGHTING MEASURES**

**FLAMMABLE LIMITS IN AIR (% BY VOLUME):** Non-Flammable

**FLASH POINT:** Non-Flammable

**AUTOIGNITION TEMPERATURE:** None

**NFPA HAZARD CLASSIFICATION**

HEALTH: 0      FLAMMABILITY: 0      REACTIVITY: 0

**HMIS HAZARD CLASSIFICATION**

HEALTH: 0      FLAMMABILITY: 0      REACTIVITY: 0      PROTECTION: Z

**EXTINGUISHING MEDIA:** Medium- Will not burn

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product is neither a fire nor an explosion hazard. It may be used in place of sand to smother and put out Class A and Class B fires

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:** Spillage, where dust is generated, may expose cleanup personnel to respirable dust. Avoid dry sweeping. Wetting of material prior to sweeping is recommended to minimize the dust. If there is excessive dust during cleanup, approved respiratory equipment may be necessary.

## **SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Handle in a manner that prevents excessive dust generation. Protect containers from physical damage to avoid leakage and spillage. Store in a dry place. Maintain good housekeeping practices.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use good general ventilation and/or a local exhaust system to maintain the dust levels below the OSHA Permissible Exposure Limits (PEL) and ACGIH Threshold Limit Levels (TLV) for silica and dust.

**VENTILATION** : > 400 cfm

**RESPIRATORY PROTECTION:** Wear appropriate respirator if the ventilation is inadequate.

**EYE PROTECTION:** Wear safety glasses with side shields or goggles to prevent dust from entering the eyes.

**SKIN PROTECTION:** None should be needed.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Regular working clothes.

**WORK HYGIENIC PRACTICES:** Wash hands before eating

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Pale white

**ODOR:** None

**PHYSICAL STATE:** Solid

**pH AS SUPPLIED:** N/A

**BOILING POINT:** None

**MELTING POINT:** Approximately 1050 °C

**FREEZING POINT:** None

**VAPOR PRESSURE (mm):** None

**VAPOR DENSITY (AIR = 1):** None

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.5-1.7

**EVAPORATION RATE BASIS (=1):** None

**SOLUBILITY IN WATER:** Insoluble

**PERCENT SOLIDS BY WEIGHT:** 100%

**PERCENT VOLATILE:** 0

**VOLATILE ORGANIC COMPOUNDS (VOC):** 0 LBS/GAL

**VISCOSITY:** N/A

## **SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID (STABILITY):** None

**INCOMPATIBILITY (MATERIAL TO AVOID):** Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride, & oxygen difluoride may cause fire.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** This product will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** None

## **SECTION 11: TOXICOLOGICAL INFORMATION**

This product is federally classified as GRAS (generally regarded as safe) in most applications.

## **SECTION 12: ECOLOGICAL INFORMATION**

This product is not known to be ecotoxic:

**WATERFOWL TOXICITY:** None

**AQUATIC TOXICITY:** None

**FOOD CHAIN CONCENTRATION POTENTIAL:** None expected.

**BIOLOGICAL OXYGEN DEMAND:** None

**ATMOSPHERIC:** Does NOT contain any ozone depleting substances

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** The material may be landfilled. However, it should be covered to minimize airborne dust

**RCRA HAZARD CLASS:** This product is NOT classified as a hazardous waste under the Resource Conservation and Recovery Act (RCRA), or its regulations 40 CFR 261 et seq.

**SECTION 13 NOTES:** The above only applies to materials as sold by IMTEK Environmental Corporation. The material may be contaminated during use, and it is the users responsibility to assess the proper disposal methods of the used material and to ensure that it complies with all local, state, federal and international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

This product is NOT a hazardous material for purposes of transportation under the U.S. Department of Transportation Table of Hazardous Materials, 49 CFR 172.101

## **SECTION 15: REGULATORY INFORMATION**

### **U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** NOT listed.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, & LIABILITY ACT):** NOT classified as hazardous under CERCLA, 40 CFR 261 et seq.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** NOT subjected to reporting requirements.

**EMERGENCY PLANNING RIGHT TO KNOW ACT:** NOT an extremely hazardous substance under Section 302. NOT a toxic chemical subject to requirements of section 313.

**RCRA:** NOT classified as a hazardous waste under Resource Conservation & Recovery Act, or its regulations under CFA, 40 CFR 261 et seq.

**CLEAN AIR ACT:** This product was NOT processed with or does not contain any Class 1 or Class 2 ozone depleting substances.

**CLEAN WATER ACT:** NO materials were found.

**OSHA Carcinogen:** NOT listed as OSHA carcinogen.

**CANADIAN REGULATIONS:** WHMIS classification-D-2A

## **SECTION 16: OTHER INFORMATION**

**PREPARATION INFORMATION:** Reviewed on 11-26-2015, 4-09-19

### **DISCLAIMER:**

The information contained herein is believed to be accurate to the best of our knowledge but does not purport to be all inclusive and shall only be used as a guide. IMTEK cannot give any guarantees, and expressly does not make any warranties, nor assumes any liability for its use. The final determination of the suitability of this product is the sole responsibility of the user.