



**MATERIAL SAFETY DATA SHEET**

**EABCL CONTENDER 80 WDG**

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Fosetyl-aluminium 80% w/w WDG

**Common name:** Fosetyl-aluminium                      **Supplier:**  
**SHANGHAI E-TONG CHEMICAL CO., LTD.**

**Add:** No.23, Lane 5398, Shenzhuan Road, Songjiang District, Shanghai, China

**Tel:** +86-21-51698968                      **Fax:** +86-21-64138597

**Emergency telephone number: 120**

**SECTION 2: HAZARDS IDENTIFICATION**

**Hazard classification**

Hazardous Class: Non-Dangerous Goods.

**Hazard category**

Xn: harmful

**Risk phrase(s)**

R36: Irritating to eyes

R20/22: Harmful by inhalation and if swallowed

**Safety phrase(s)**

S2: Keep out of the reach of children.

S7: Keep container tightly closed.

S9: Keep container in a well-ventilated place.

S13: Keep away from food, drink and animal foodstuffs.

S36: Wear suitable protective clothing.

S39: Wear eye / face protection.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Composition	CAS No.	Content, % w/w
Fosetyl-aluminium	39148-24-8	80.0 min
Other ingredients		20.0 max



**SECTION 4: FIRST AID MEASURES**

If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so after calling or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If inhaled: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Notes to Physician:

No specific antidote if ingested. Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES**

Extinguishing media: Powder, foam, and sand.

Fire and Explosion

Unusual Fire, Explosion and Reactivity Hazards: Not combustible solid. It can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use appropriate extinguishing media for combustibles in the area. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

Flammability: Not flammable

Flash Point (Test Method): Not applicable

**SECTION 6: ACCIDENTIAL RELEASE MEASURES**

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water.

Clean up spills immediately, observing precautions outlined in Section 8.

Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

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

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

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

**Ingestion:** Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**Eye Contact:** Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Skin Contact:** Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

**Inhalation:** A combination particulate/ organic vapor respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an HE prefilter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

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

Physical state: Powder

Color: Off-white  
Odor: Negligible  
pH: 3.0-5.0  
Density: 0.55 – 0.65 g/cm<sup>3</sup> (bulk)  
Fineness (via 75 µm sieve): ≥99.0  
Suspensibility: ≥70%  
Persistent foam (after 1 min): ≤50 mL  
Wetting time: ≤60 s  
Storage stability (54±2°C): Stable  
Stability: Stable under normal use and storage conditions.

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

Stability: Stable under normal use and storage conditions.  
Hazardous Polymerization: No dangerous reaction known under normal conditions of use.  
Conditions to Avoid: Extreme heat and fire and strong alkalis and acids.  
Materials to Avoid: Strong alkalis and acids.  
Hazardous Decomposition Products: Oxides of phosphorous when involved in fire.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity/Irritation Studies (Finished Product)  
Ingestion: Oral (LD<sub>50</sub> Rat): 4300 mg/kg b.w. for female and 4220 mg/kg b.w. for male  
Dermal: Dermal (LD<sub>50</sub> Rat): >2150 mg/kg b.w. for both male and female  
Inhalation: Practically Non-Toxic Inhalation (LC<sub>50</sub> Rat): >5.3 mg/l air - 4 hours  
Eye Contact: Slightly Irritating (Rabbit)  
Skin Contact: Non Irritating (Rabbit)  
Skin Sensitization: Non Sensitizing (Guinea Pig)

#### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicology for fosetyl-aluminum  
Birds: Acute oral LD<sub>50</sub> for bobwhite quail >4640 mg/kg.  
Fish: LC<sub>50</sub> (96 h) for rainbow trout >100 mg/l.  
Bees: LD<sub>50</sub> (96 h, oral) >215 µg/bee.

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal:

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Chinese Dangerous Goods Code for transport by Road and Rail.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## SECTION 15: REGULATORY INFORMATION

Regulations on Safety Management of Hazardous Chemicals (issued by Chinese State Council on February 17, 1987)

Regulations on Safety Use of Chemicals at Work (issued by Chinese Ministry of Labor in 1996)

## SECTION 16: OTHER INFORMATIONS

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations



containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

**MSDS Revised Date: 20, February 2015 MSDS Modified Date: 20, February 2020**

**Disclaimer**

The Content given here in, are as per the declaration given by the manufacturer and EABCL Claims zero Responsibility.

**THE END OF MATERIAL SAFETY DATA SHEET**

