

Safety Data Sheet

1 IDENTIFICATION

Product Name:

Linebacker® WDG

Agricultural Fungicide

EPA Reg. No.:
Chemical Family:

61842-9
Organometallic

Manufacturer/Supplier:


Tessenderlo Kerley Inc.
2255 N. 44th Street, Suite 300
Phoenix, Arizona 85008-3279
Information:(602) 889-8300

For 24-Hour Emergency Assistance (Spill, Leak,
Fire, or Exposure), Call CHEMTREC®:

(800) 424-9300 (CHEMTREC)
(866) 374-1975 (Tessenderlo Kerley)

2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Pictogram	Hazard Statements	Precautionary Statements
	Causes serious eye irritation.	Wash thoroughly after handling. Wear eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Signal word: Warning

Hazard-determining components of labeling:

fosetyl aluminium (ISO)



NFPA Hazard Ratings



HMIS Ratings

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Description: Mixture of the substance(s) listed below with nonhazardous additions.

Active Ingredient:	Component	CAS No.	% by Weight
Fosetyl Al	Aluminum tris (O-ethyl phosphonate)	39148-24-8	80

4 FIRST AID MEASURES

Description of first aid measures

General information:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-866-374-1975. See Label for Additional Precautions and Directions for Use.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

Product can be considered a nuisance dust which can have an explosive reaction if in high concentrations.

Advice for firefighters

Protective equipment:

Full protective clothing and self-contained breathing apparatus should be worn.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unauthorized people away.

Isolate hazard area.

Avoid contact with spilled product or contaminates surfaces.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Pick up mechanically.

7 HANDLING and STORAGE

Precautions for safe handling

Avoid contact with skin, eyes and clothing

Use only in well ventilated areas.

Avoid prolonged or repeated exposure.

Personnel must refer to the Product Label and Directions For Use attached to the product for agricultural use requirements in accordance with the EPA Worker Protection Standard.

Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area away from direct sunlight and any incompatible materials (see section10).

Keep away from any sources of heat or flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with occupational exposure limits: 39148-24-5 Fosetyl Aluminum (ISO)

PEL	REL	TLV
Long-term value: 15*; 15** mg/m ³ *Total dust; ** Respirable fraction	Long-term value: 10* 5** mg/m ³ as Al*Total dust **Respirable/pyro powd./welding f.	Long-term value: 1* mg/m ³ as Al; *as respirable fraction

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Breathing equipment:

If the exposure limit of any component is exceeded, wear respirator in absence of proper environmental control.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:

Tightly sealed goggles

Body protection:

Wear long-sleeved shirt and long pants, waterproof shoes and socks. Wash contaminated clothing before reuse.

9 PHYSICAL and CHEMICAL PROPERTIES

Appearance	Beige, dry free-flowing granules
Odor	Product specific
pH (1.0%) @ 23 °C (73 °F)	3,0-4,0
Melting/Freezing Point	Not determined
Flammability (Solid/Gas)	Not determined
Upper/Lower Flammability or Explosive Limits	Not determined
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Relative Density	Not applicable.
Bulk Density	Not determined
Solubility (in Water)	Dispersible.
Partition Coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined

10 STABILITY and REACTIVITY

Reactivity	Not applicable.
Chemical stability	This is a stable material under normal temperature and storage conditions.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	Ignition, heat, open flame and long exposure to high temperatures
Incompatible materials	Avoid extreme humidity, strong acids, strong bases, strong oxidizing or reducing agents.
Hazardous decomposition products	From thermal decomposition – oxides of phosphorus, carbon dioxide, CO ₂ , carbon monoxide, and phosphine gas. No hazardous reactions will occur when stored and handled according to prescribed instructions.

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC₅₀ values relevant for classification:

Oral	Rat LD ₅₀	2,860 mg/kg
Dermal	Rabbit LD ₅₀ :	> 2,000 mg/kg
Inhalation	Rat LC ₅₀ :	> 5 mg/L (4 Hrs)

Primary irritant effect:

on the skin

Slight irritation

on the eye

Severe eye irritant

Carcinogenicity: Unlikely to pose carcinogenic hazard to humans.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
NTP (National Toxicology Program)	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.

12 ECOLOGICAL INFORMATION

This information is based on the active ingredient:

AQUATIC TOXICITY

96 hour LC ₅₀	Sheepshead minnow:	120 ppm
96 hour LC ₅₀	Rainbow trout:	78.5 ppm
48 hour LC ₅₀	Daphnia magna:	304 mg/L

13 DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14 TRANSPORT INFORMATION

UN Number:	DOT, ADR, IMDG, IATA	Non-Regulated Material
UN Proper shipping name:	DOT, ADR, IMDG, IATA	Non-Regulated Material
Transport hazard class(es)/Label(s):	DOT, ADR, IMDG, IATA	Non-Regulated Material
Packing group:	DOT, ADR, IMDG, IATA	Non-Regulated Material
Environmental hazards:		
Marine pollutant:		No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:		Not Applicable

15 REGULATORY INFORMATION

FIFRA: Yes **Product Name: Linebacker® WDG Fungicide** **EPA Reg. No. 61842-9**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed or absorbed through the skin or inhaled.

Causes moderate eye injury.

Avoid contact with skin, eyes or clothing.

Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Toxic Release Reporting-Form R): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): Exempt from TSCA

Proposition 65: None of the ingredients is listed.

CERCLA/SUPERFUND:

RQ (Reportable Quantity) None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

39148-24-8 fosetyl aluminium (ISO) Unlikely to pose carcinogenic hazard to humans.

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

16 OTHER INFORMATION

Issue Date: June 3, 2015

REVISIONS: SDS was reformatted in compliance with HCS 29 CFR 1910.1200 Rev. 2012 and GHS Rev 05, and ANSI Z400.1.

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

Linebacker® and NovaSource® are registered trademarks of Tessenderlo Kerley, Inc. All rights reserved.