



# SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA  
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

## Material Safety Data Sheet

(In accordance with 2001/58/EC)

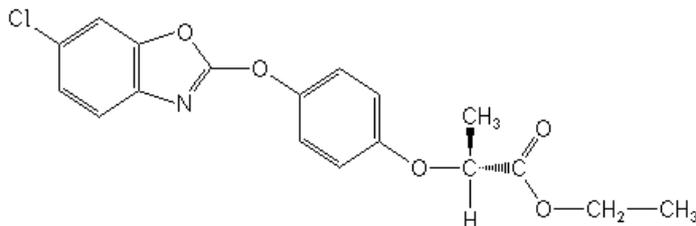
### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **FENOXAPROP-P-ETHYL 6.9% EW**

CAS No.: **71283-80-2**

Empirical formula: **C<sub>18</sub>H<sub>16</sub>ClNO<sub>5</sub>**

Structural formula:



Product use: **HERBICIDE**

Chemical Formulation: **EW/EMULSION IN WATER**

Supplier: **SUNFARM AGROCHEMICALS LIMITED**

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| Composition                       | Content (g/lit) | CAS number      |
|-----------------------------------|-----------------|-----------------|
| Fenoxaprop-P-ethyl                | 69              | 71283-80-2      |
| Mefenpyr-diethyl (crop safener)   | 34.5            | 135590-91-9     |
| Hydrocarbon liquid                | 410             | 64742-94-5      |
| Other ingredients including water | Up to 1 liter   | (non hazardous) |

### SECTION 3: HAZARDS IDENTIFICATION

**Health Effects: Acute:**

**Swallowed:** Harmful if swallowed.

**Eye:** Will irritate the eyes.

**Skin:** Will irritate the skin. The product had low acute dermal toxicity in the rat, and was not sensitising in the test with guinea pigs. The active ingredient, Fenoxaprop-P-ethyl, in this product was sensitizing to the skin in one test, but not in another.

**Inhaled:** The product has low inhalation toxicity. However, avoid inhaling vapor.

**Chronic:** Fenoxaprop-P-ethyl and mefenpyr-diethyl showed no mutagenicity, reproductive toxicity or carcinogenicity in animal studies. Prolonged or repeated skin contact with the hydrocarbon liquid solvent in this product may result in irritation and dermatitis.

### SECTION 4: FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor and follow the advice given. Show this Material Safety Data Sheet to a doctor.**

**Swallowed:** Wash out mouth with water. Do not induce vomiting. Give a glass of water. Keep patient at rest and seek medical advice as above.

**Eye:** Rinse eyes immediately with clean water for at least 15 minutes and obtain medical aid.



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**Skin:** Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if at all worried.

**Inhaled:** If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

**First Aid Facilities:** No specific requirements.

**Advice to Doctor:** Treatment should be symptomatic and supportive after decontamination. If a large amount (more than one mouthful) has been ingested, the following measures should be considered: Gastric lavage, followed by charcoal administration. As this product contains a hydrocarbon solvent, care should be taken to prevent pulmonary aspiration. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Endotracheal intubation Elimination by dialysis (forced alkaline diuresis) Monitor kidney and liver function, red blood cell count, blood lipids and cholesterol for hypolipidaemia and lowered cholesterol (low density lipoproteins). As this product has a low order of toxicity there have been no documented cases of poisoning.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water fog, fine water spray, foam, carbon dioxide or dry agent.

**Special Fire Fighting Procedures:** Fire fighters should wear full protective gear, including self-contained breathing apparatus. Toxic decomposition products may be produced in a fire. Keep unnecessary people away. Use water spray to cool fire-exposed containers. Bund area to prevent contamination of water sources. Dispose of fire control water and spillage later.

**Reactivity Hazards:** Hydrogen chloride, nitrogen oxides and other toxic compounds may be released in a fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment

**Environmental precautions:**

Do not allow to get into surface water, drains and ground water.

If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for cleaning up:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

### SECTION 7: HANDLING AND STORAGE

**Storage and Transport:**

**Corrosivity Hazards:** Not corrosive. However, do not store product or diluted mixes in unlined mild steel vessels.

**Handling & Storage Precautions:** Keep out of reach of children. Avoid contact with eyes and skin. Do not inhale vapor.

If product in eyes, wash it out immediately with water.

Store in the closed, original container in a cool, well-ventilated area.

Do not store for prolonged periods in direct sunlight.



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Protect from extremes of heat and cold. Keep away from food, drink and animal feed.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards:** The manufacturer of the solvent recommends an Occupational Exposure Limit (OEL) of 100 ppm total hydrocarbons.

**Engineering Controls:** Control process conditions to avoid contact. Use only in well-ventilated areas.

**Personal Protection:**

**Eyes:** Wear face shield or goggles.

**Clothing:** Wear cotton overalls buttoned to the neck and wrist and washable hat.

**Gloves:** Wear elbow length PVC gloves.

**Respiratory:** Not normally required. However, if exposure to product vapor is likely, wear a respirator with an organic vapor cartridge.

**Other:** After each day's use, wash gloves, face shield or goggles and contaminated clothing.

**Flammability:** Not classified as combustible - does not sustain combustion.

### SECTION 9: PHYSICAL PROPERTIES

**Appearance:** Viscous white mayonnaise with slight naphtha odor.

**Boiling Point/Melting Point:** Boiling point > 100°C

**Vapor Pressure:** Not available

**Density:** 0.999 g/ml at 20°C.

**Flashpoint:** > 100°C (closed cup)

**Flammability Limits:** No data.

**Solubility in Water:** Forms an emulsion.

**Other Properties:**

**pH (emulsion in water) :** 6-8

**Auto-ignition temperature:** 435°C

**Formulation :** Emulsion, oil in water

### SECTION 10: STABILITY AND REACTIVITY

**Chemical stability:** Stable at normal temperatures.

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Acids, Bases.

**Material to avoid:** Strong Oxidizing agents, acids, Bases, Alkali metals

**Hazardous decomposition on Products:** Noxious fumes produced under fire conditions may include carbon monoxide, carbon dioxide, nitrogen oxide.

### SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity data (similar product): Oral LD50 (mg/kg) > 5000 Species:  
Rat

Dermal LD50 (mg/kg) > 4000 Species:  
Rat



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|                      |                        |                     |          |
|----------------------|------------------------|---------------------|----------|
| Rat                  | Inhalation LC50 (mg/L) | > 10.74 (4 h)       | Species: |
| Rabbit               | Eye irritation         | Slightly irritating | Species: |
| Rabbit               | Skin irritation        | Slightly irritating | Species: |
| Rabbit Sensitization | Non sensitizing        | Species: Guinea pig |          |

### SECTION 12: ECOLOGICAL INFORMATION

Dangerous to the aquatic environment. Low toxicity to bees and earthworms.

Fenoxaprop-P-ethyl:

Fish toxicity: LC50 (96 h) for rainbow trout 0.57 mg/L

Daphnia toxicity: EC50 (48 h) for Daphnia magna 0.56 mg/L

Bird toxicity: Acute oral LD50 for bobwhite quail > 2000 mg/kg

Algae toxicity: LC50 (72 h) for Scenedesmus subspicatus 0.51 mg/L

Mefenpyr-diethyl:

Mefenpyr-diethyl was not toxic to birds, earthworms or activated sludge. It has low toxicity to aquatic organisms and is practically non-toxic to honey bees.

Other:

DO NOT contaminate streams, rivers or waterways with this product or the used container.

Special Precautions / Comments: None

### SECTION 13: DISPOSAL CONSIDERATIONS

**Spillage or Leak Procedures:** Avoid contact with the spilled material or contaminated surfaces. When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section above. DO NOT smoke. Keep people and animals away and upwind. Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in properly labeled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**Waste Disposal Methods:** Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

### SECTION 14: TRANSPORT INFORMATION

Transport: UN Number: 3082



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**Dangerous Goods Class and Subsidiary Risk: 9**

**Proper Shipping Name:**

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENOXAPROP-P-ETHYL  
69 g/lit EW)**

**Packing Group: III**

### **SECTION 15: OTHER INFORMATION**

This MSDS summarizes best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. ----End of MSDS

For and on behalf of

**SUNFARM AGROCHEMICALS LTD.**