

# Material Safety Data Sheet



fair products, inc.

## FAIR 80

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Fair 80 SP

Product Use Description: Plant Growth Regulator

EPA Registration Number 51873-17

Company: Fair Products, Inc.  
P.O. Box 386  
Cary, NC 27512  
United States of America

Telephone: (US) 919-467-1599

Emergency Telephone: Chemtrec: (24 hours) 800-424-9300

Prepared by: Fair Products, Inc.

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### SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Form: powder      Color: opaque creamy white      Odor: none

Hazard Summary      May be harmful if absorbed through skin.  
Irritating to eyes.  
May cause skin irritation.

#### Potential Health Effects

Hazard Summary      Irritating to eyes. May cause skin irritation.

Primary Routes of Entry      Skin contact  
Eye contact  
Inhalation

Aggravated Medical Condition	None known
Inhalation	No adverse effects are expected under normal conditions of use
Skin	May Irritate skin.
Eyes	Irritating to eyes
Ingestion:	May cause gastrointestinal irritation

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
pyridazine – 3,6-diol/123-33-1	80%

The formula is a water based soluble concentrate with surfactant/ spreaders carrier.

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

Inhalation	If breathed in, move person to fresh air. If breathing has stopped artificial respiration should be started. Seek medical attention if symptoms develop.
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and warm water. If irritation persists, seek medical advice/attention. Wash contaminated clothing before re-use.
Eye contact	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention if irritation persists.

Ingestion	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 a Poison Control Center or doctor. Never give anything by mouth to an unconscious or convulsing person.
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## SECTION 5. FIREFIGHTING MEASURES

**Flammable properties:** non-flammable powder

### Fire fighting

Suitable extinguishing media: Water mist, dry chemical, foam or carbon dioxide.

Further information Use water spray to cool unopened containers. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Firefighting procedures Assure self-contained breathing apparatus is worn. Full protective flameproof clothing.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure that suitable protective equipment is worn.

Environmental precautions: Do not allow material to contaminate ground water system.

Methods for cleanup / Containment: Sweep up and shovel into suitable container for disposal.

Disposal: Dispose of in accordance with Local, State and Federal Regulations.

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## SECTION 7. HANDING AND STORAGE

Handling Procedures:	Handle and open container with care. Use only in well-ventilated areas. Do not get in eyes or mouth or on skin. Wear suitable protective clothing such with long-sleeve shirt and long pants plus shoes and socks. Use protective eyewear such as goggles, safety glasses or face shield. Wash thoroughly after handling.
Requirements for Storage:	Store containers away from direct heat in a cool, dry and well-ventilated area. Keep only in the original container.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>	Contains no substance with occupational exposure limit values.
<b>Engineering Measures:</b>	Use mechanical ventilation for general area control. Ensure that the extracted air cannot be returned to the workplace through the ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Personal protective equipment</b>	
Eye protection:	Tightly fitting protective eyewear, such as goggles, safety glasses or face shield.
Hand protection:	Chemical resistant protective gloves such as barrier laminate, or butyl or nitrile rubber, neoprene or polyvinyl chloride or Viton.
Skin and body protection:	Long-sleeve shirt and long pants or coveralls. Shoes plus socks. Remove and wash contaminated clothing before re-use.
Respiratory protection:	In the case of insufficient ventilation, wear a suitable respirator with an approved filter.

Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Ensure adequate ventilation. When using, do not eat, drink or smoke. Wash hands thoroughly before eating, drinking, chewing gum, using tobacco products or using the toilet. Remove and wash contaminated clothing before re-use.
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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form:	powder
Color:	creamy white
Odor:	none

### Safety Data

Flammability:	non-flammable
pH	7.74
Density:	40.2 lb/ft <sup>3</sup>
Water Solubility:	soluble

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## SECTION 10. STABILITY AND REACTIVITY

Materials to avoid	Strong acids and strong bases. Oxidizing agents.
Conditions to avoid:	excessive heat
Hazardous decomposition products:	oxides of carbon and nitrogen.
Hazardous polymerization:	Will not occur.
Stability:	Stable and ambient temperatures and pressures.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity:	LD <sub>50</sub> >5000 mg/kg (Rat)
Acute Dermal Toxicity:	LD <sub>50</sub> >5000 mg/kg (Rabbit)
Acute Inhalation Toxicity:	LC <sub>50</sub> >4.03 mg/l (Rat)
Primary Skin Irritation:	very slight irritation (Rabbit)
Primary Eye Irritation:	mild eye-irritation (Rabbit)
Skin Sensitization:	Not a contact sensitizer (Guinea Pig)

**Toxicological Assessment**

CMR Effects:	Carcinogenicity:	negative
1,2-dihydropyridazine -	Mutagenicity:	negative
3,6-dione, potassium salt	Reproductive Toxicity:	negative

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity Effects**

Toxicity to fish: (MH)	96 hours LC <sub>50</sub> static assay in Rainbow trout: 1435 mg/l
	96 hours LC <sub>50</sub> static assay in Bluegill: 1608 mg/l
Toxicity to Daphnia and other aquatic invertebrates: (KMH)	48 hour LC <sub>50</sub> static assay to Daphnia magna (water flea): >1000mg/l
	96 hour LC <sub>50</sub> flow through assay in Mysid shrimp: >103 mg/l
Toxicity to birds:	Acute oral LD <sub>50</sub> toxicity to Mallard Ducks: >2000 mg/kg/bw (MH)
	Acute oral LD <sub>50</sub> toxicity to Bobwhite Quail: >4640 mg/kg/bw (KMH)
	Eight Day Dietary LC <sub>50</sub> to: Bobwhite Quail - >10,000 mg/kg (MH) Mallard Ducks - >10,000 mg/kg (MH)

Toxicity to algae:	96 hour IC <sub>50</sub> to green algae ( <i>Chlorella vulgaris</i> ): >100 mg/l (MH)
	5 day assay IC <sub>50</sub> to Bluegreen algae ( <i>Anabaena flos-aquae</i> ): >95 mg/l (KMH)
Toxicity of honey bees:	
Acute contact toxicity:	LD <sub>50</sub> >100 µg/bee (KMH)
Acute oral toxicity	LD <sub>50</sub> >100 µg/bee (KMH)

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### SECTION 13. DISPOSAL CONSIDERATION

#### Further information:

Dispose of waste material in compliance with all federal, state and local regulations.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

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### SECTION 14. TRANSPORT INFORMATION

#### DOT

Not dangerous goods

#### TDG

Not dangerous goods

#### IATA

Not dangerous goods

#### IMDG

Not dangerous goods

#### RID

Not dangerous goods

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**SECTION 15: REGULATORY INFORMATION**

OSHA Hazards: This material is hazardous under the criteria of the Federal OSHA Hazard Communication standard 29CFR 1910.1200.

Sara 311/312 Hazards: Acute health Hazard

California Prop. 65 components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

The components of this product are reported in the following inventories:

REACH Not in compliance with the inventory.

TSCA All substances in this product are exempt from TSCA as this product is registered under FIFRA (Federal Insecticide Fungicide Rodenticide Act).

DSL This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

AICS Not in compliance with the inventory

NZIoC Not in compliance with the inventory

ENCS Not in compliance with the inventory

KECI Not in compliance with the inventory

PICCS Not in compliance with the inventory

IECSC Not in compliance with the inventory



**SECTION 16. OTHER INFORMATION**

HMIS Classification:

Health hazard: 1

Flammability: 1

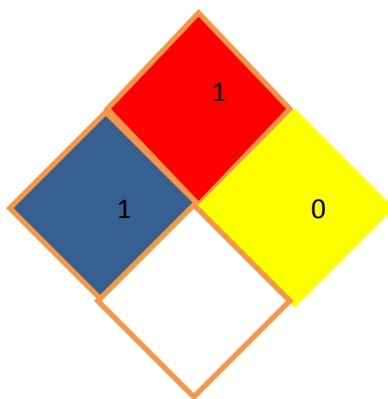
Reactivity: 0

NFPA Classification:

Health hazard: 1

Fire hazard: 1

Reactivity hazard: 0



This information in this Material Safety Data Sheet is correct to the best of our knowledge and information at the date of its publication. The information provided is designed only as a guidance document for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.