

# Material Safety Data Sheet



fair products, inc.

## FAIR 85

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Fair 85

Product Use Description: Plant Growth Regulator

EPA Registration Number 51873-7

Company: Fair Products, Inc.  
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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

WARNING!

Form: liquid      Color: light yellow      Odor: Characteristic Fatty Alcohol Odor

Hazard Summary      Risk of serious damage to eyes. Irritating to respiratory system and skin. Irritating to mucous membrane. May cause allergic skin reaction.

#### Potential Health Effects

Primary Routes of Entry	Skin contact Eye contact Inhalation
Aggravated Medical Condition	Respiratory disorders Skin disorders

Target Organs	Eyes Respiratory system Skin
Inhalation	Irritating to respiratory system.
Skin	Irritating to skin. May cause allergic skin reaction.
Eyes	Risk of serious damage to eyes.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Exposure	May cause respiratory system effects. Lung damage. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
Octanol/111-87-5	36.2%
Decanol/112-30-1	48.2%
Polyoxyethylene sorbitan monooleate/9005-65-6	15.3%
Related compounds (dodecanol C-12)/112-53-8	0.3%

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

Inhalation	If breathed in, move person to fresh air. Give oxygen or artificial respiration if needed. Obtain medical attention.
Skin contact	If on clothes, remove clothes. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation occurs, seek medical advice/ attention. Wash contaminated clothing in hot water and detergent before reuse. Destroy contaminated shoes.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under

	the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	DO NOT induce vomiting. Give small amounts of water to drink. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## SECTION 5. FIREFIGHTING MEASURES

### Flammable properties

Flash Point	>200 °F
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### Fire fighting

Extinguishing media	Water spray, CO <sub>2</sub> , dry chemical or foam.
Fire fighting procedures	Assure self-contained breathing apparatus is worn. Stay upwind.
Further information	Keep away from fire, sparks and heated surfaces. Use water spray to cool unopened containers. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### Protective equipment and precautions for firefighters

Special protective equipment	Body covering protective clothing, full "turn-out" for firefighters gear. Self-contained breathing apparatus
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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Evacuate personnel to safe areas. Wear suitable protective clothing, long-sleeve shirt and long pants, chemical resistant gloves, such as barrier laminate or butyl or nitrile rubber, neoprene or polyvinyl chloride or Viton. Wear shoes plus socks, protective eyewear such as goggles, safety glasses or face shield. Avoid contact with skin and eyes. Ventilate the area.
Environmental precautions:	Toxic to aquatic life. Do not allow uncontrolled discharge of product into

	the environment. Do not flush into surface water or sanitary sewer system.
Methods for containment/ Methods for cleaning up:	Soak up spills with an inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Prevent runoff from entering waterways. Assure protective clothing is worn.
Disposal:	Dispose of in accordance with Local, State and Federal Regulations.

## SECTION 7. HANDING AND STORAGE

Handling procedures:	Handle and open container with care. Protect from contamination. Use only in well-ventilated areas. Avoid inhalation, ingestion and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Wash thoroughly after handling. Keep container closed when not in use.
Storage:	
Requirements for storage areas and containers	Keep only in the original container. Keep container tightly closed in a cool, dry and well-ventilated area. Store away from direct heat sources. Keep away from foodstuff.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Contains no substance with occupational exposure limit values.

### Engineering measures

Use mechanical ventilation for general area control.  
Ensure that 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.

**Personal protective equipment**

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	Discard contaminated shoes. In case of insufficient ventilation, wear a suitable "NIOSH approved organic mist respirator.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Avoid prolonged inhalation of mists. Ensure adequate ventilation. Wash hands before eating, drinking, chewing gum, using tobacco products or using the toilet. Remove and wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form:	liquid
Color:	yellow liquid
Odor:	Characteristic fatty alcohol odor

**Safety Data**

Flash point:	>200°F
pH	7 – 8
Density:	0.85 gms/cc

**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid	Remarks: None known.
Hazardous decomposition	Note: Carbon monoxide, carbon dioxide and unburned hydrocarbons.
Hazardous reactions:	Hazardous polymerization does not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD <sub>50</sub> 28 gms/kg (Rat)
Acute Inhalation Toxicity:	TLV 5mg/m <sup>3</sup> (Rat)
Acute Dermal Toxicity:	LD <sub>50</sub> 2gm/kg (Rat)
Skin Irritation:	Causes moderate skin irritation (Rabbit)
Eye Irritation:	Causes severe eye irritation (Rabbit)
Sensitization:	Not a sensitizer (Guinea Pig)

### Toxicological Assessment

CMR Effects:	Carcinogenicity: negative
	Mutagenicity: negative
	Teratogenicity: negative
	Reproductive Toxicity: negative

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects

Toxicity to fish:	96 hours LC <sub>50</sub> Rainbow trout: 20.4 ppm
	96 hours LC <sub>50</sub> Bluegill: 9.96 ppm
Toxicity to Daphnia and other aquatic invertebrates:	48 hour LC <sub>50</sub> to Daphnia magna (water flea): 8.24 mg/l
Toxicity to birds:	Acute oral LD <sub>50</sub> to Mallard Ducks: >4640 mg/kg/bw
	Eight Day Dietary LC <sub>50</sub> to: Bobwhite Quail - >10,000 ppm Mallard Ducks - >10,000 ppm
Toxicity of honey bees:	48 hour contact LD <sub>50</sub> >25 µg/bee

**Elimination Information (persistence and degradability)**

Biodegradability:

Readily biodegradable

**SECTION 13. DISPOSAL CONSIDERATION****Further information:**

Dispose of waste material in compliance with all federal, state and local regulations.

Pesticide wastes are toxic.

Do not contaminate ponds, waterways or ditches with chemical or used container.

**SECTION 14. TRANSPORT INFORMATION**DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

**SECTION 15: REGULATORY INFORMATION**

Sara 311/312 Hazards:

Chronic Health Hazard 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.

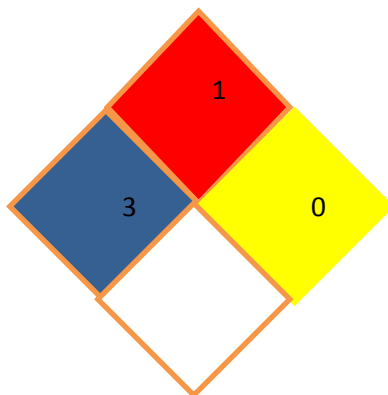
US.TSCA

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 precaution.
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: 3 Flammability: 1 Reactivity: 0
NFPA Classification:	Health hazard: 3 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.