

## Dorn & Hart Microedge, Inc

### MATERIAL SAFETY DATA SHEET

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#### Section 1 - Product and Company Information

Product Name FAST GREEN FCF CERTIFIED

Company Dorn & Hart Microedge, Inc

Address 135 W Home Ave.

Villa Park, IL 60181

Technical Phone: 630-832-3843

Emergency Phone: 630-832-3843

#### Section 2 - Composition/Information on Ingredient

Substance Name CAS # SARA 313

FAST GREEN FCF 2353-45-9 No

Formula C37H34N2Na2O10S3

Synonyms Aizen Food Green No. 3 \* C.I. 42053 \* C.I. Food

Green 3 \* Fast Green FCF \* FD and C Green No. 3 \*

Food Green 3 \* 1724 Green \* Solid Green FCF \*

Zelen potravinarska 3 (Czech) \* Zelen Stala FCF  
(Czech)

RTECS Number: BQ4425000

#### Section 3 - Hazards Identification

##### EMERGENCY OVERVIEW

Harmful.

Possible risk of irreversible effects.

##### HMIS RATING

HEALTH: 0\*

FLAMMABILITY: 0

REACTIVITY: 1

##### NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 1

\*additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.

#### Section 4 - First Aid Measures

#### ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

#### EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

#### Section 5 - Fire Fighting Measures

##### FLASH POINT

N/A

##### AUTOIGNITION TEMP

N/A

##### FLAMMABILITY

N/A

##### EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

##### FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

#### Section 6 - Accidental Release Measures

##### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

##### METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

#### Section 7 - Handling and Storage

##### HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

##### STORAGE

Suitable: Keep tightly closed.

##### SPECIAL REQUIREMENTS

Hygroscopic.

## Section 8 - Exposure Controls / PPE

### ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand: Protective gloves.

Eye: Chemical safety goggles.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

Appearance Physical State: Solid

Color: Deep red

Property Value At Temperature or Pressure

Molecular Weight 808.86 AMU

pH N/A

BP/MP Range N/A

MP/MP Range 290 °C

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

SG/Density N/A

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension N/A

Partition Coefficient N/A

Decomposition Temp. N/A

Flash Point N/A

Explosion Limits N/A

Flammability N/A

Autoignition Temp N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous Data N/A

Solubility N/A

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Stable: Stable.

Conditions of Instability: Hygroscopic.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral

Rat

> 2000 mg/kg

LD50

CHRONIC EXPOSURE - CARCINOGEN

Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Species: Rat

Route of Application: Subcutaneous

Dose: 5925 MG/KG

Exposure Time: 48W

Frequency: 1

Result: Tumorigenic:Neoplastic by RTECS criteria.

Tumorigenic:Tumors at site or application.

IARC CARCINOGEN LIST

Rating: Group 3

CHRONIC EXPOSURE - MUTAGEN

Result: Laboratory experiments have shown mutagenic effects.

Species: Mouse

Route: Intraperitoneal

Dose: 100 MG/KG  
Mutation test: Micronucleus test  
Species: Mouse  
Route: Oral  
Dose: 5400 MG/KG  
Exposure Time: 90D  
Mutation test: Cytogenetic analysis  
Species: Mouse  
Route: Oral  
Dose: 60 MG/KG  
Exposure Time: 30D  
Mutation test: Cytogenetic analysis  
Species: Mouse  
Route: Intraperitoneal  
Dose: 10 MG/KG  
Mutation test: Sister chromatid exchange  
Species: Hamster  
Dose: 4 GM/L  
Cell Type: fibroblast  
Mutation test: Cytogenetic analysis  
Species: Hamster  
Dose: 20 UMOL/L  
Exposure Time: 5H  
Cell Type: ovary  
Mutation test: Cytogenetic analysis  
Species: Hamster  
Dose: 2 GM/L  
Cell Type: lung  
Mutation test: Cytogenetic analysis  
Mutation test: Histidine reversion (Ames)  
Section 12 - Ecological Information  
No data available.

#### Section 13 - Disposal Considerations

##### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

#### Section 14 - Transport Information

##### DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xn

Indication of Danger: Harmful.

R: 68

Risk Statements: Possible risk of irreversible effects.

S: 36/37

Safety Statements: Wear suitable protective clothing and gloves.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Harmful.

Risk Statements: Possible risk of irreversible effects.

Safety Statements: Wear suitable protective clothing and gloves.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dorn & Hart Microedge, Inc, shall not be held liable for any damage resulting from handling or from contact with the above product.