



Crop Microclimate Management Inc
PO Box 178
Apex, North Carolina, USA

Tel: +1 919-624-6182
Email: info@cropstress.com

Photon 50SG

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Mineral , Dicarboxylic Acids

Use: Crop protectant

Supplier: Crop Microclimate Management Inc
PO Box 178
Apex, North Carolina, USA
+1-919-624-6182

Date Printed:
Feb 2015

HMIS Rating: HEALTH=1 FIRE=1 REACTIVITY=0 SPECIAL=0

2. COMPOSITION / INFORMATION ON INGREDIENTS

Dicarboxylic Acids-50% Inert Ingredients-0%

3. HAZARDS IDENTIFICATION

INHALATION: May cause irritation to the respiratory tract. Prolonged or repeated exposure may cause lung damage.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea.

SKIN CONTACT: May cause skin irritation

EYE CONTACT: May cause irritation and inflammation.

No carcinogenic, mutagenic, or teratogenic effects are known

4. FIRST AID MEASURES

INHALATION: Move person to fresh air. Aid in breathing if necessary. Get medical attention immediately.

INGESTION: Rinse mouth out with water. Get medical aid immediately.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

SKIN CONTACT: Immediately flush with plenty of water. If irritation persists, get medical attention.

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT: 419.9 °F (215.5 °C)

ASTM D 92-97; QP1363.2; Flash and Fire Points by Cleveland Open

RECOMMENDED EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam, water spray.

SPECIAL FIRE FIGHTING MEASURES:

Use water spray, dry chemical, foam, or carbon dioxide. Water spray may be used to flush spills away from fire and to dilute spills to non-flammable mixtures.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES

Clean up by wet sweeping, vacuuming or flushing with water.

Containerize for disposal or reclamation.

7. HANDLING AND STORAGE

Store in a cool dry place

Material may be slippery when wet.

Minimise dust generation.

Avoid contact with eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses with side shields.

GLOVES: Wear suitable gloves.

RESPIRATORY: NIOSH approved dust respirator.

FOOTWEAR: Non-slip soles if used in wet areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White extruded granules

ODOR AND APPEARANCE: Odorless white to off-white powder

SOLUBILITY IN WATER: Soluble in water

SOLUBILITY IN OTHER LIQUIDS: Not soluble in mineral acids and organic solvents

CHEMICAL FAMILY: Dicarboxylic acids

10. STABILITY AND REACTIVITY

STABILITY DATA: Normally stable. Store at less than 50°C

INCOMPATIBILITY: Strong bases, acids, and oxidizing agents.

CONDITIONS TO AVOID: Avoid generating dust.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:
LD50 > 5000 mg/kg body weight
Acute dermal toxicity:
LD50 > 5000 mg/kg body weight

PRIMARY ROUTE OF ENTRY:	Eye contact and Inhalation
EFFECTS OF ACUTE EXPOSURE:	Irritation
EFFECTS OF CHRONIC EXPOSURE:	Nuisance dust may cause respiratory problems

12. ECOLOGICAL INFORMATION:

No adverse ecological effects are expected.
Acute fish toxicity:
LC50 > 100 mg product/l. Method: ISO 7346/2 (semistatic)
Acute bacterial toxicity:
EC0 > 10 - <= 100 mg product/l.
Method: Acute bacterial toxicity according to test method OECD 209

13. DISPOSAL CONSIDERATIONS:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility in accordance with local regulations regarding solid waste.

14. TRANSPORT INFORMATION:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped

15. REGULATORY INFORMATION:

SCA Inventory Status: This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.
SARA 311/312 Hazard Categories: None
TSCA 12(b) Components: none
SARA 313 Toxic Chemicals: none
SARA 302 Extremely Hazardous Substances: none
CERCLA Hazardous Chemicals: none
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

IMPORTANT NOTE:

All information, recommendations, and suggestions appearing herein concerning Screen are based upon data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability from his own use of the product described herein. Since the actual use is beyond our control, no guarantee, express or implied, is made by Crop Microclimate Management Inc as to the effects of such

use, the results obtained, or the safety and toxicity of the product, nor does Crop Microclimate Management assume any liability arising from use by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulation.



Crop Microclimate Management Inc
PO Box 178
Apex, North Carolina, USA

Tel: +1 919-624-6182
Email: info@cropstress.com

Photon 500SG

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Mineral , Dicarboxylic Acids

Use: Crop protectant

Supplier: Crop Microclimate Management Inc
PO Box 178
Apex, North Carolina, USA
+1-919-624-6182

Date Printed:
Feb 2015

HMIS Rating: HEALTH=1 FIRE=1 REACTIVITY=0 SPECIAL=0

2. COMPOSITION / INFORMATION ON INGREDIENTS

Dicarboxylic Acids-50% Inert Ingredients-0%

3. HAZARDS IDENTIFICATION

INHALATION: May cause irritation to the respiratory tract. Prolonged or repeated exposure may cause lung damage.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea.

SKIN CONTACT: May cause skin irritation

EYE CONTACT: May cause irritation and inflammation.

No carcinogenic, mutagenic, or teratogenic effects are known

4. FIRST AID MEASURES

INHALATION: Move person to fresh air. Aid in breathing if necessary. Get medical attention immediately.

INGESTION: Rinse mouth out with water. Get medical aid immediately.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

SKIN CONTACT: Immediately flush with plenty of water. If irritation persists, get medical attention.

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT: 419.9 °F (215.5 °C)

ASTM D 92-97; QP1363.2; Flash and Fire Points by Cleveland Open

RECOMMENDED EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam, water spray.

SPECIAL FIRE FIGHTING MEASURES:

Use water spray, dry chemical, foam, or carbon dioxide. Water spray may be used to flush spills away from fire and to dilute spills to non-flammable mixtures.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES

Clean up by wet sweeping, vacuuming or flushing with water.

Containerize for disposal or reclamation.

7. HANDLING AND STORAGE

Store in a cool dry place

Material may be slippery when wet.

Minimise dust generation.

Avoid contact with eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses with side shields.

GLOVES: Wear suitable gloves.

RESPIRATORY: NIOSH approved dust respirator.

FOOTWEAR: Non-slip soles if used in wet areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White extruded granules

ODOR AND APPEARANCE: Odorless white to off-white powder

SOLUBILITY IN WATER: Soluble in water

SOLUBILITY IN OTHER LIQUIDS: Not soluble in mineral acids and organic solvents

CHEMICAL FAMILY: Dicarboxylic acids

10. STABILITY AND REACTIVITY

STABILITY DATA: Normally stable. Store at less than 50°C

INCOMPATIBILITY: Strong bases, acids, and oxidizing agents.

CONDITIONS TO AVOID: Avoid generating dust.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:
LD50 > 5000 mg/kg body weight
Acute dermal toxicity:
LD50 > 5000 mg/kg body weight

PRIMARY ROUTE OF ENTRY:	Eye contact and Inhalation
EFFECTS OF ACUTE EXPOSURE:	Irritation
EFFECTS OF CHRONIC EXPOSURE:	Nuisance dust may cause respiratory problems

12. ECOLOGICAL INFORMATION:

No adverse ecological effects are expected.
Acute fish toxicity:
LC50 > 100 mg product/l. Method: ISO 7346/2 (semistatic)
Acute bacterial toxicity:
EC0 > 10 - <= 100 mg product/l.
Method: Acute bacterial toxicity according to test method OECD 209

13. DISPOSAL CONSIDERATIONS:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility in accordance with local regulations regarding solid waste.

14. TRANSPORT INFORMATION:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped

15. REGULATORY INFORMATION:

SCA Inventory Status: This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.
SARA 311/312 Hazard Categories: None
TSCA 12(b) Components: none
SARA 313 Toxic Chemicals: none
SARA 302 Extremely Hazardous Substances: none
CERCLA Hazardous Chemicals: none
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

IMPORTANT NOTE:

All information, recommendations, and suggestions appearing herein concerning Screen are based upon data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability from his own use of the product described herein. Since the actual use is beyond our control, no guarantee, express or implied, is made by Crop Microclimate Management Inc as to the effects of such

use, the results obtained, or the safety and toxicity of the product, nor does Crop Microclimate Management assume any liability arising from use by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulation.