



SAFETY DATA SHEET

IV Organic Corporation

Product name: IV Organic™ 3-in-1 Plant Guard, WHITE, Pint

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IV Organic Company encourages and expects you to read & understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document.

1. IDENTIFICATION:

Product Name: IV Organic™ 3-in-1 Plant Guard, WHITE, Pint

Recommended use of the product and restrictions on use

Identified uses: A natural means to reducing the risks of trunk, branches and foliar damage caused by, but not limited to, summer sunburn, winter sunscald, and repellent protection against insects & rodents.

Company Identification:

1905 Wilcox Ave, Suite #184
Los Angeles, CA 90068
Phone: 800-875-0339
Email: Info@IVOrganics.com

Emergency Telephone Numbers:

24 hrs. Chem-Tel 800-255-3924 (within continental US)
24 hrs. 813-248-0585 (collect) (outside continental US)

2. HAZARD IDENTIFICATION:

The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredient Name	CAS No.	PERCENT % (±0.5%)	Substance Presenting Health Hazards (R-Phases)
Iron Oxide	1309-37-1	5%	1mg/ m3
(Milk) Casein	9000-71-9	5%	n/a
Limestone	1317-15-3	20%	n/a
Mica	12001-26-2	20%	n/a
Silica	112945-52-5	38%	n/a



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Methylcellulose	9004-67-5	1%	n/a
Castor Oil	8001-79-4	5%	n/a
Cinnamon Bark Oil	8007-80-5	1%	n/a
Clove Oil	68917-28-2	1%	n/a
Garlic Oil	8000-78-0	1%	n/a
Peppermint Oil	8006-90-4	1%	n/a
Rosemary Oil	8000-25-7	1%	n/a
Spearmint	8008-79-5	1%	n/a
TOTAL:		100%	
Patent Pending: 16/025,197			

4. FIRST AID MEASURES:

Description of first aid measures

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin Contact: Wash thoroughly with soap & water.

Eye Contact: Flush eyes with plenty of water. Remove contact lenses after the first 1-2 minutes, then continue flushing eyes for 15 minutes. Seek medical attention.

Ingestion: Give two 12 oz glasses of water diluted with vinegar or fruit juice. Seek medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES:

Suitable extinguishing media: Carbon dioxide, foam and/ or dry chemical fire extinguisher.

Unsuitable Extinguishing Media: None known.

Unusual Fire and Explosion Hazards: None know.

Special hazards arising from the substance or mixture or combustion: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/ or irritating. Combustion products may include and are not limited to: Carbon monoxide & Carbon dioxide.



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Advise for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Hand held dry chemical or carbon dioxide extinguishers may be used. Dust cloud may result from forceful application of fire extinguisher agents.

Special Proactive Equipment For Firefighters: Wear protective positive-pressure self-containing breathing apparatus (SCBA) and protective fire fighting clothing (included helmet, coat, trousers, boots & gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance. MSHA/ NIOSH approved apparatus, or equivalent.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Spilled material may cause a slipping hazard. Use appropriate safety equipment. Wear self-contained breathing apparatus with pressure-demand MSHA/ NIOSH approved or equivalent.

Environmental precautions: None

Methods and materials for containment and cleaning up: Contain spilled material if possible. Sweep up. Use care to minimize generation of airborne dust. Collect in suitable and properly labeled containers. If exposed to excessive material during clean up, follow the First Aid Measures, above. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE:

Precautions for safe handling: Keep away from heat, sparks and flame. No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product.

Conditions for safe storage: Store tightly closed container in a dry, cool, well-ventilated area, away from heat, light and sources of ignition, including acids and ethanol.

Incompatible Materials: None

Measures for storage rooms and tanks: No specific measures.

Storage stability/ temperature: 5 – 32 °C (41 – 90 °F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Specific control measures (threshold limit values or biological standards): Not applicable for this substance under normal working procedures.

Exposure Controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.



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Individual protective measures

Eye/ Face Protection: Use safety glasses (with side shields). If there is a potential for exposure to particles with could cause eye discomfort, where chemical goggles.

Hand Protection: No special measures required under normal conditions. Consistent with general hygienic practices for any material, skin contact should be minimized.

Skin/ Body Protection: No special measures required under normal conditions. Consistent with general hygienic practices for any material, skin contact should be minimized.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, were respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres or windy conditions, use an approved particulate respirator, such as a particulate filter air-purifying respirator.

9. Physical and Chemical Properties:

Appearance:	White to off-white powder
Odor:	Odorless / Neutral
Odor Threshold:	n/a
pH Value:	n/a
Boiling Point:	n/a
Melting Point:	n/a
Flash Point:	n/a
Freezing Point:	n/a
Auto Flammability:	n/a
Explosive Properties:	n/a
Oxidizing Properties:	n/a
Vapor Pressure at 200°C:	n/a
Relative Vapor Density:	n/a
Density at 25°C:	n/a
Solubility In Water:	n/a
Solubility In Fat:	n/a
Partition Coefficient: n-octanol/ water:	n/a
Viscosity at 20°C:	n/a
Kinematic Viscosity:	n/a
Evaporation Rate:	n/a
Flammability:	n/a
Lower Explosion Limit:	n/a
Upper Explosion Limit:	n/a



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Decomposition Temperature: n/a
Molecular Weight: No test data available.

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY:

Reactivity: No data available.

Stability: Stable under recommended storage conditions. See Storage, Section 7.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Avoid storing in temperatures below 5°C (41°F), or above 32°C (90 °F). Avoid strong oxidizing agents.

Incompatible materials: Avoid contact with oxidizing materials, including strong acids, strong bases and ethanol.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials.

11. TOXICOLOGY INFORMATION:

Toxicological information on this product or its components appear in this section when such data is available.

Acute Toxicology LD50: None available. Harmful effects not anticipated from swallowing small amounts. No adverse effects anticipated by skin absorption. No adverse effects are anticipated from single exposure to dust.

Short & Long Term Effects: None.

Effects from human exposure: None.

Sensitization: CMR effects: No known effects.

Skin corrosion/ irritation: Essentially nonirritating to skin.

Serious eye damage/ eye irritation: Essentially nonirritating to eyes. Solid or dust may cause irritation of corneal injury due to mechanical action.

Specific Target Organ Systemic Toxicity (Single Exposure): No known effects. Data is inadequate to determine single exposure specific target organ toxicity.

Specific Target Organ Systemic Toxicity (Repeated Exposure): No known effects. Data is inadequate to determine repeated exposure specific target organ toxicity.

Carcinogenicity: No known effects.

Teratogenicity: No known effects.

Reproductive toxicity: No known effects.

Mutagenicity: No known effects.



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Aspiration Hazard: Not likely.

12. ECOLOGICAL INFORMATION:

General: The information given in this section is based upon evaluation of the Components and eco toxic data on similar products.

Mobility in soil: Water soluble.

Persistence and degradability: Readily biodegradable.

Bio accumulative potential: No bio accumulation is expected.

Other information: Presents no ozone depletion potential and is CO2 neutral.

13. DISPOSAL CONSIDERATIONS:

Unused product: Waste materials may be buried in an approved landfill in accordance with state, federal and local regulations.

Contaminated packaging: Dispose according to local authority advise. Clean packaging material may be recycled.

All disposal practices must be in compliance with all Federal, State/ Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED. FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or landfill.

14. TRANSPORT INFORMATION:

D.O.T. Proper Shipping Name: IV Organic 3-in-1 Plant Guard

Hazard Classification: Not restricted.

Land Transportation (ADR/ RID, GGVS/GGVE): Not Restricted.

Sea Transport (IMDG/ GGVSee): Not Restricted. Consult IMO regulations before transporting ocean bulk.

Air Transport (ICAO-TI, IATA-DGR): Not Restricted.

This information is not intended to convey all specific regulatory or operational requirements/ information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sale or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.



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15. Regulatory Information:

OSHA Hazard Communication Standard: This product is not a “Hazardous Chemical” as defined by the OSHA Communications Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 311 and 312: This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103: This material does not contain any components with a CERCLA RQ.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under statute.

Pennsylvania Worker and Community Right-To-Know Act: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

United States TSCA Inventory (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Classifications according to EC directives: Not classified as a dangerous material.

Symbols and phrases according to health hazards (R- and S- phrases): None

16. OTHER INFORMATION:

Information Source & References: This (M)SDS is prepared by Product Regulatory Services and Hazard Communication Group from information supplied by internal references within our company.

IV Organic Corporation urges every customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with this product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/ user's responsibility to ensure that his/ her activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacture, it is the buyer's/ user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer- specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any other source other than ourselves. If you have



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obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.