

SAFETY DATA SHEET

1. Identification

Product identifier	SmartFresh™ Inbox Flex		
Other means of identification	None.		
Recommended use	Plant growth regulator		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	er/Distributor information		
Company name	AGROFRESH INC.		
	One Washington Square		
	510-530 Walnut Street, Suite 1350		
	Philadelphia, PA 19106-3622		
-	United States		
Telephone	+01 866 206 1001		
Email	FGLAGFR@AgroFresh.com		
Emergency telephone number	+1 866 519 4752 (24 hours)		
Access Code	334767		
2. Hazard(s) identification			
Physical hazards	Not classified.		
Health hazards	Not classified.		
OSHA defined hazards	Combustible dust		
Label elements			
Hazard symbol	None.		
Signal word	Warning		
Hazard statement	May form combustible dust concentrations in air.		
Precautionary statement			
Prevention	Prevent dust accumulation to minimize explosion hazard. Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Observe good industrial hygiene practices.		
Response	Not assigned.		
Storage	Not assigned.		
Disposal	Not assigned.		
Hazard(s) not otherwise classified (HNOC)	None known.		
Supplemental information	None.		

3. Composition/information on ingredients

Mixtures

	3100-04-7	3 - 5
Components not listed are either non-hazardous or are below reportable limits.		
ve to fresh air. Call a physician if symptor	ms develop or persist.	
Wash off with soap and water. Get medical attention if irritation develops and persists.		
Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.		
יינ	ove to fresh air. Call a physician if symptor ash off with soap and water. Get medical a	omponents not listed are either non-hazardous or are below reportable lim ove to fresh air. Call a physician if symptoms develop or persist. ash off with soap and water. Get medical attention if irritation develops and

Ingestion	Rinse mouth. Get medical attention if symptoms occur.		
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes.		
Indication of immediate medical attention and special treatment needed	Treat symptomatically.		
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.		
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed such as: Carbon oxides.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.		
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.		
General fire hazards	May form combustible dust concentrations in air.		
6. Accidental release meas	sures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.		
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.		
	Large Spills: Shovel up and place in a container for salvage or disposal.		
	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.		
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.		
Environmental precautions	Do not allow to enter drains, sewers or watercourses.		
7. Handling and storage			
Precautions for safe handling	Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that		
	dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities	dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Explosion-proof general and local exhaust ventilation. Wear		

Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
•	, such as personal protective equipment		
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection Hand protection	For prolonged or repeated skin contact use suitable protective gloves. Examples of preferred glove barrier materials include: Polyvinyl chloride (PVC). Neoprene. Nitrile. Nitrile butyl rubber (NBR). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.		
Skin protection			
Other	When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full-body suit will depend on the task.		
Respiratory protection Thermal hazards	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. Wear appropriate thermal protective clothing, when necessary.		
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		

9. Physical and chemical properties

5. Thysical and chemical p	bioperties
Appearance	
Physical state	Solid.
Form	Powder.
Color	White.
Odor	Odorless.
Odor threshold	Not available.
рН	5.7
Melting point/freezing point	> 392 °F (> 200 °C)
Initial boiling point and boiling range	Property has not been measured.
Flash point	Not applicable, material is a solid.
Evaporation rate	Not applicable.
Flammability (solid, gas)	May form combustible dust concentrations in air.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not applicable, material is a solid.
Explosive limit - upper (%)	Not applicable, material is a solid.
Vapor pressure	Negligible.
Vapor density	Property has not been measured.
Relative density	Property has not been measured.
Solubility(ies)	
Solubility (water)	0.5 g/l in water
Partition coefficient (n-octanol/water)	Not applicable, product is a mixture.
Auto-ignition temperature	752 °F (400 °C) estimated
Decomposition temperature	Not applicable as the product is not unstable.
SmartFresh™ Inbox Flex	

Not applicable, material is a solid.	
Property has not been measured.	
Not explosive.	
Not explosive.	
Not applicable, material is a solid.	
Not oxidizing.	

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.		
Chemical stability	Material is stable under normal conditions.		
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.		
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. Minimize dust generation and accumulation.		
Incompatible materials	Strong oxidizing agents. Acids. Alkalies.		
Hazardous decomposition products	No hazardous decomposition products are known.		

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Brief contact is essentially nonirritating to skin. Prolonged contact may cause skin irritation, even a burn.
Eye contact	Dust may irritate the eyes.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity

Not expected to be acutely toxic.

Product	Species	Test Results	
SmartFresh™ Inbox Flex (CAS Mixture)			
Acute			
Dermal			
LD50	Rat	> 5000 mg/kg	
Inhalation			
LC50	Rat	> 5.12 mg/l, 4 Hours (For similar material.)	
Oral			
LD50	Rat	> 5000 mg/kg	
Skin corrosion/irritation	Brief contact is essentially nonirritating to skin. Prolonged contact may cause skin irritation, even a burn.		
Irritation Corrosion - Sk	in		
1-Methylcyclopropen	e (CAS 3100-04-7) Result: Not irritating	1	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.		
Respiratory or skin sensitization	I		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	Did not cause allergic skin reactions when tested in guinea pigs.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Not classifiable as to carcinogenicity to humans.		

• •	Evaluation of Carcinogenicity	,	
Not listed. NTP Report on Carcinogens			
Not listed.	•		
	d Substances (29 CFR 1910.1	001-1053)	
Not listed.		,	
Reproductive toxicity	This product is not expected	to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
12. Ecological information			
Ecotoxicity		as environmentally hazardous. However, this does not exclude the ent spills can have a harmful or damaging effect on the environment.	
Persistence and degradability	No data is available on the d	egradability of this product.	
Bioaccumulative potential	No data available for this product.		
Partition coefficient n-octan 1-Methylcyclopropene (CAS 3		2.03 Estimated	
Mobility in soil	No data available for this pro-	duct.	
Adsorption Soil/sediment sorption 1-Methylcyclopropene (CA		35 - 60 Estimated	
Other adverse effects	Not available.		
13. Disposal consideration	าร		
Disposal instructions	Collect and reclaim or dispos	e in sealed containers at licensed waste disposal site.	

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.		

14. Transport information

DOT

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC CodeNot applicable.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergenc	y release notificatio	n	
Not regulated.	a mulata d Cubatanaa	- (20 CER 4040 4004 4052)	
Not listed.	egulated Substances	s (29 CFR 1910.1001-1053)	
Toxic Substances Contro	ol Act (TSCA)	One or more components of the mixture are or are designated "inactive".	not on the TSCA 8(b) inventory
Superfund Amendments and	Reauthorization Act	of 1986 (SARA)	
SARA 302 Extremely haz		х <i>у</i>	
Not listed.			
SARA 311/312 Hazardous chemical	No (Exempt)		
SARA 313 (TRI reporting) Not regulated.)		
Other federal regulations			
Clean Air Act (CAA) Sect	ion 112 Hazardous A	Air Pollutants (HAPs) List	
Not regulated. Clean Air Act (CAA) Sect	ion 112(r) Accidenta	I Release Prevention (40 CFR 68.130)	
Not regulated.		· · · · ·	
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
US. Massachusetts RTK	- Substance List		
Not regulated.			
US. New Jersey Worker a	and Community Righ	nt-to-Know Act	
Not listed.			
US. Pennsylvania Worke	r and Community Rig	ght-to-Know Law	
Not listed.			
US. Rhode Island RTK			
Not regulated.			
California Proposition 65			
WARNING:	This product can exp State of California to	ose you to chemicals including Dimethylvinyl chlorid cause cancer. For more information go to www.P65	le, which is known to the Warnings.ca.gov.
California Propositio	n 65 - CRT: Listed d	ate/Carcinogenic substance	
3-Chloro-2-Methy	Ipropene (CAS 563-4	7-3) Listed: July 1, 1989	
	oride (CAS 513-37-1) date Chemicals List	Listed: July 1, 1989 . Safer Consumer Products Regulations (Cal. Co	de Regs, tit. 22, 69502.3,
3-Chloro-2-Methy	lpropene (CAS 563-4 pride (CAS 513-37-1)	7-3)	
International Inventories	(
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	-	tory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substa		No
Canada		ubstances List (NDSL)	No
China		ting Chemical Substances in China (IECSC)	No
-	•		No
Europe	Substances (EIN		
Europe	European List of	Notified Chemical Substances (ELINCS)	No

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No

No

Yes

No

No

Country(s) or region

Inventory name

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	28-November-2023
Revision date	-
Version #	01
HMIS® ratings	Health: 0 Flammability: 2 Physical hazard: 0 Personal protection: E
List of abbreviations	AgroFresh IHG: AgroFresh Industrial Hygiene Guideline.
References	Internal references within our company.
Disclaimer	Agrofresh urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express 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 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 manufacturer, 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 SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.