Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity Chromasphere UV FX White (D-7900-WH)
Alternate Names Chromasphere FX White
Unique Formula Identifier

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Uses and Uses Advised Against See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Direct Color Systems
99 Hammermill Rd.
Rocky Hill, CT 06067
Customer Service: Direct Color Systems 860-829-2244

1.4. Emergency telephone number

Emergency
24 hour Emergency Telephone No. 24/7 CHEMTREC 800-424-9300

Section 2. Hazard identification of the product

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin corrosion/irritation category 2;H315	Causes skin irritation.
Serious eye damage / eye irritation, category 2;H319	Causes serious eye irritation.
Skin sensitizer category 1;H317	May cause an allergic skin reaction.
Single target organ toxicity, repeated exposure category 1;H372	Causes damage to organs through prolonged or repeated exposure.

Aquatic toxicity (chronic), category 2;H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006

Warning

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

P260 Do not breathe dust, fume, mist, vapors or spray.
P273 Avoid release to the environment.
P391 Collect spillage.
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
P280 Wear protective gloves, eye protection, and face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards
This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.

Section 3. Composition/information on ingredients

3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 Classification	Notes
2-Propenoic acid, 2-phenoxyethyl ester CAS Number: 48145-04-6	25 - 45	Skin sensitizer category 1;H317 Serious eye damage / eye irritation, category 2;H319 Aquatic toxicity (chronic), category 2;H411	
2-Propenoic acid, (tetrahydro-2-furanyl)methyl ester CAS Number: 2399-48-6 EC No. 219-268-7 REACH #: 01-2120738396-46	15 -25	Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2;H319	
2h-azepin-2-one, 1-ethenylhexahydro- CAS Number: 2235-00-9	10 - 13	Acute toxicity(oral), category 4;H302 Serious eye damage / eye irritation, category 2;H319 Acute toxicity(dermal), category 4;H312 Single target organ toxicity, repeated exposure category 1;H372	
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy] - CAS Number: 84170-74-1	7 - 10	Not Classified	
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate CAS Number: 84434-11-7 EC No. 282-810-6 REACH #: 01-2119987994-10	7 - 8	Skin sensitizer category 1B;H317 Aquatic toxicity (chronic), category 2;H411	
Blue pigment CAS Number: 147-14-8 EC No. 205-685-1 REACH #: 01-2119458771-32	1 - 4	Combustible Dust	
Pentaerythritol, ethoxylated, esters with acrylic acid CAS Number: 51728-26-8 EC No. 500-111-9	1 - 4	Eye Dam. 2;H319 Skin corrosion/irritation category 2;H315	

^CLP 31 Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).
*PBT/vPvB - PBT, vPvM or vPvB-substance.
The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eye Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available. No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

Inhalation

Eye Causes serious eye irritation.

Skin May cause an allergic skin reaction. Causes skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get Medical advice or attention if you feel unwell. If skin irritation or a rash occurs: Get medical advice or attention. If eye irritation persists: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapors or spray.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).
Do not breathe dust, fume, mist, vapors or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
Avoid release to the environment. Collect spillage. Dispose of contents or container in accordance with local and national regulations.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.
Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.
Wear protective gloves, eye protection, and face protection.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: No available information

7.3. Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
Secret	pigment	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
2235-00-9	2h-azepin-2-one, 1-ethenylhexahydro-	ACGIH	No Established Limit
		DNEL Local Exposure	0.17 mg/m^3
		DNEL Systematic Exposure	4.9 mg/m^3
		National	No Established Limit
2399-48-6	2-Propenoic acid, (tetrahydro-2-furanyl)methyl ester	ACGIH	No Established Limit

CAS No.	Ingredient	Source	Value
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	1.73 mg/m^3
		National	No Established Limit
48145-04-6	2-Propenoic acid, 2-phenoxyethyl ester	ACGIH	No Established Limit
		DNEL Local Exposure	77 mg/m^3
		DNEL Systematic Exposure	12 mg/m^3
		National	No Established Limit
51728-26-8	Pentaerythritol, ethoxylated, esters with acrylic acid	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	0.88 mg/m^3
		National	No Established Limit
84170-74-1	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy] -	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	4.93 mg/m^3
		National	No Established Limit

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended

Skin Avoid skin contact. Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final

	choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. 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. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Blue
Odor	No available information
Odor threshold	No available information
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:**No available information **Upper Explosive Limit:**No available information
Flash Point	248℉ 120℃, Test method: (Closed cup)
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	No available information

Viscosity (cSt)	No available information
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	No available information
Relative Density	No available information
Vapor Density	No available information
Evaporation rate (Ether = 1)	No available information
VOC Content	0 lbs/gal
Oxidising properties	No available information
Explosive properties	No available information

9.2. Other information
No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.
10.2. Chemical stability
Stable under normal circumstances.
10.3. Possibility of hazardous reactions
No available information
10.4. Conditions to avoid
Avoid high temperatures and contact with incompatible material
10.5. Incompatible materials
No available information
10.6. Hazardous decomposition products
No hazardous decomposition data available.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
pigment - (Secret)	6,401.00, Rat - Category: NA	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
2h-azepin-2-one, 1-ethenylhexahydro- - (2235-00-9)	1,114.00, Rat - Category: 4	1,800.00, Rabbit - Category: 4	No data available.	No data available.	No data available.
2-Propenoic acid, (tetrahydro-2-furanyl)methyl ester - (2399-48-6)	No data available.	No data available.	No data available.	No data available.	No data available.
2-Propenoic acid, 2-phenoxyethyl ester - (48145-04-6)	4,660.00, Rat - Category: 5	2,540.00, Rat - Category: 5	No data available.	No data available.	No data available.
Pentaerythritol, ethoxylated, esters with acrylic acid - (51728-26-8)	No data available.	No data available.	No data available.	No data available.	No data available.
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy] - - (84170-74-1)	> 5,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate - (84434-11-7)	> 5,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	No data available.	No data available.

Classification	Category	Hazard Description
Acute toxicity (oral)	---	---
Acute toxicity (dermal)	---	---
Acute toxicity (inhalation)	---	---
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	---
Skin sensitization	1	May cause an allergic skin reaction.

Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	1	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	---

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

Section 12. Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
pigment - (Secret)	>100.00, Danio rerio	501.00, Daphnia magna	>100.00, Desmodesmus subspicatus	10,001.00	0.99
2h-azepin-2-one, 1-ethenylhexahydro- - (2235-00-9)	318.00, Danio rerio	>100.00, Daphnia magna	>100.00, Desmodesmus subspicatus	---	40.00
2-Propenoic acid, (tetrahydro-2-furanyl)methyl ester - (2399-48-6)	No data available.	No data available.	No data available.	---	---
2-Propenoic acid, 2-phenoxyethyl ester - (48145-04-6)	10.00, Leuciscus idus	1.21, Daphnia magna	1.70, Desmodesmus subspicatus	177.00	22.30
Pentaerythritol, ethoxylated, esters with acrylic acid - (51728-26-8)			No data available.	---	---

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
	No data available.	No data available.			
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy] - - (84170-74-1)	2.70, Danio rerio	37.00, Daphnia magna	11.00, Pseudokirchneriella subcapitata	---	41.00
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate - (84434-11-7)	1.89, Danio rerio	2.26, Daphnia magna	1.01, Desmodesmus subspicatus	>1,000.00	Not readily biodegradable

12.2. Persistence and degradability
There is no data available on the preparation itself.
12.3. Bioaccumulative potential
No available information
12.4. Mobility in soil
No available information
12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB/vPvM chemicals.
12.6 Endocrine disrupting properties
This product contains no endocrine disrupting chemicals.

12.7. Other adverse effects
No available information

Section 13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

Not regulated.

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	**Class:**N/A **Sub Class:**Not Applicable	**Class:**N/A **Sub Class:**Not Applicable	**Class:**N/A **Sub Class:**Not Applicable
14.4. Packing group	N/A	N/A	N/A

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No available information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

REGULATIONS (EU) 2023/707, (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

Candidate List of SVHC for Authorisation: Not Applicable

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:

Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (Use restricted. See item 3. (liquid))

15.2. Chemical Safety Assessment
No Chemical Safety Assessment has been carried out.

Section 16. Other information

Revision Date	14/7/2025
Revision Number	1

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

ACGIH - American Conference of Governmental Industrial Hygienists
ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)
CAS - Chemical Abstract Service
CLP - Classification Labeling and Packaging
DOT - Department of Transportation
EC50 - European Commission
EC50 - Half maximal effective concentration
ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.
GHS - Globally Harmonized System
IARC - International Agency for Research on Cancer
IATA - International Civil Aviation Organization
IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a predetermined observation period.
ICAO - International Civil Aviation Organization
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.
LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PBT - Persistent, Bioaccumulative and Toxic Chemicals
PEL - Permissible Exposure Limit
REACH - Registration, Evaluation, Authorization and Restriction of Chemicals
RID - Regulations concerning the international carriage of dangerous goods by rail)
STEL - Short Term Exposure Limit
TWA - Time Weighted Average
vPvB - Very Persistent and very Bio-accumulative
WGK - Water Hazard Class

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin corrosion/irritation category 2;H315	Calculation method
Serious eye damage / eye irritation, category 2;H319	Calculation method
Skin sensitizer category 1;H317	Calculation method

Single target organ toxicity, repeated exposure category 1;H372	Calculation method
Aquatic toxicity (chronic), category 2;H412	Calculation method

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document