09405-1009

# **SAFETY DATA SHEET**

Issuing DateNo data availableRevision Date31-Dec-2014Revision Number1

art advantage®

## 1. IDENTIFICATION

Product identifier

Product Name ART-3007, ART-3007-ST & ART-3187

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Artistic painting

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name C2F, Inc.

Supplier Address 6600 SW 111th Ave

Beaverton OR 97008

US

**Supplier Phone Number** Phone:503-643-9050 Fax:503-643-0194

Supplier Emailinfo@C2F.comEmergency telephone number503-643-9050

## 2. HAZARDS IDENTIFICATION

## Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

### GHS Label elements, including precautionary statements

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## **Emergency Overview**

### Signal word

#### Danger

### **Hazard Statements**

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause cancer

May cause damage to organs through prolonged or repeated exposure



Appearance Multiple Colors

Physical State Paste Liquid

**Odor** Characteristic

### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

#### Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

#### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

#### **Precautionary Statements - Storage**

None

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

Not applicable

### **Unknown Toxicity**

36.5% of the mixture consists of ingredient(s) of unknown toxicity

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#### Other information

No information available

#### **Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical Name	CAS No	Weight-%	Trade Secret
Iron hydroxide oxide	20344-49-4	15 - 40	*
Titanium dioxide	13463-67-7	15 - 40	*
Phthalocyanine green	1328-53-6	10 - 30	*
Butanamide, 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3 -oxo-	6486-23-3	10 - 30	*
Phthalocyanine blue	147-14-8	10 - 30	*
Barium sulfate	7727-43-7	10 - 30	*
Carbon black	1333-86-4	10 - 30	*
Iron oxide	1309-37-1	10 - 30	*
3H-Pyrazol-3-one, 4,4`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl)bis(azo)] bis[2,4-dihydro-5-methyl-2-phenyl-	3520-72-7	5 - 10	*
Ethylene glycol	107-21-1	1 - 5	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

### First aid measures

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and

easy to do. Continue rinsing. Get medical attention if irritation develops and

persists. Do not rub affected area.

**Skin Contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get

medical attention if irritation develops and persists.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Use personal protective equipment as

required. Wear personal protective clothing (see section 8).

### Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Burning sensation.

**Effects** 

### Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### **Specific Hazards Arising from the Chemical**

No information available.

Uniform Fire Code Highly Toxic: Liquid

### **Hazardous Combustion Products**

Carbon oxides.

**Explosion Data** 

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**Environmental Precautions** 

Environmental Precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage

if safe to do so.

### Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Use personal protection equipment. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before Handling

reuse.

### Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Iron hydroxide oxide 20344-49-4	TWA: 1 mg/m <sup>3</sup> Fe	(vacated) TWA: 1 mg/m³ Fe	TWA: 1 mg/m <sup>3</sup> Fe
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m <sup>3</sup>
Phthalocyanine green 1328-53-6	TWA: 1 mg/m³ Cu dust and mist	-	IDLH: 100 mg/m³ Cu dust and mist TWA: 1 mg/m³ Cu dust and mist
Phthalocyanine blue 147-14-8	TWA: 1 mg/m³ Cu dust and mist	-	IDLH: 100 mg/m³ Cu dust and mist TWA: 1 mg/m³ Cu dust and mist
Barium sulfate 7727-43-7	TWA: 5 mg/m³ inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable fraction	TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Iron oxide 1309-37-1	TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ fume and total dust Iron oxide (vacated) TWA: 5 mg/m³ respirable fraction regulated under Rouge	IDLH: 2500 mg/m³ Fe dust and fume TWA: 5 mg/m³ Fe dust and fume
Ethylene glycol 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

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Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

962 (11th Cir., 1992) See section 15 for national exposure control parameters

### **Appropriate engineering controls**

**Engineering Measures** Showers

Eyewash stations Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** If splashes are likely to occur:. Wear safety glasses with side shields (or goggles). None

required for consumer use.

**Skin and Body Protection** Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not breathe dust. Wash hands before breaks and

immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Physical and Chemical Properties**

Physical State	Paste, Liquid		
Appearance	Multiple Colors	Odor	Characteristic
Color	No information available	Odor Threshold	No information available

Property	Values	Remarks Method
pH	9	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	100 °C / 212 °F	None known
Flash Point	500 C / 932 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	erNo data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

#### **Other Information**

Softening Point No data available VOC Content (%) No data available Particle Size No data available

**Particle Size Distribution** 

### 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

#### **Chemical stability**

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

### **Hazardous Polymerization**

Hazardous polymerization does not occur.

#### **Conditions to avoid**

Excessive heat.

#### **Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases.

## **Hazardous Decomposition Products**

Carbon oxides.

### 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. (based on components).

Eye Contact Specific test data for the substance or mixture is not available. Expected to be an irritant

based on components. Irritating to eyes. May cause redness, itching, and pain. May cause

temporary eye irritation.

**Skin Contact** Specific test data for the substance or mixture is not available. Expected to be an irritant

based on components. Irritating to skin. Prolonged contact may cause redness and

irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause

irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea. May be harmful if swallowed. (based on components).

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50

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Iron hydroxide oxide 20344-49-4	> 10000 mg/kg (Rat)	-	-
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Phthalocyanine green 1328-53-6	> 3000 mg/kg (Rat)	-	-
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Iron oxide 1309-37-1	> 10000 mg/kg (Rat)	-	-
Ethylene glycol 107-21-1	= 4000 mg/kg (Rat)	-	-

### Information on toxicological effects

**Symptoms** Erythema (skin redness). May cause redness and tearing of the eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available. **Mutagenic Effects** No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form. This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		Х
Carbon black 1333-86-4	А3	Group 2B		Х
Iron oxide 1309-37-1		Group 3		
3H-Pyrazol-3-one, 4,4`-[(3,3`-dichloro[1,1`-biph enyl]-4,4`-diyl)bis(azo)]bis[2, 4-dihydro-5-methyl-2-phenyl- 3520-72-7		Group 1	Known	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
NTP (National Toxicology Program)
Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Reproductive Toxicity** No information available. STOT - single exposure No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. Based on

classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from

chronic or repeated exposure. (STOT RE).

Chronic Toxicity Contains a known or suspected carcinogen. Avoid repeated exposure. Prolonged exposure

may cause chronic effects. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. These are present in a non-respirable form. However, upon

drying, sanding or grinding of the paint may cause a risk of inhalation exposure.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Bladder. Blood. Central Nervous

System (CNS). Kidney. Liver. Lungs. Lymphatic System. Heart.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 606.00 mg/kg

## 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Phthalocyanine green 1328-53-6		96h LC50: = 752.4 mg/L (Lepomis macrochirus)	EC50 > 10000 mg/L 30 min	24h EC50: > 500 mg/L
Phthalocyanine blue 147-14-8		48h LC50: > 100 mg/L (Oryzias latipes)		
Carbon black 1333-86-4				24h EC50: > 5600 mg/L
Ethylene glycol 107-21-1	96h EC50: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 41000 mg/L (Oncorhynchus mykiss) 96h LC50: 14 - 18 mL/L (Oncorhynchus mykiss) 96h LC50: = 40761 mg/L (Oncorhynchus mykiss) 96h LC50: = 27540 mg/L (Lepomis macrochirus) 96h LC50: = 16000 mg/L (Poecilia reticulata) 96h LC50: 40000 - 60000 mg/L (Pimephales promelas)	EC50 = 620.0 mg/L 30 min	48h EC50: = 46300 mg/l

### Persistence and Degradability

No information available.

### **Bioaccumulation**

Chemical Name	Log Pow
Phthalocyanine blue 147-14-8	6.6
Ethylene glycol 107-21-1	-1.93

## Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal methods** Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging Do not reuse empty containers.

### California Hazardous Waste Codes 135

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Phthalocyanine green	Toxic
1328-53-6	
Phthalocyanine blue	Toxic
147-14-8	
Barium sulfate	Toxic soluble
7727-43-7	

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

Proper Shipping Name NON REGULATED

Hazard Class N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

Proper Shipping Name NON REGULATED

Hazard Class N/A

IMDG/IMO Not regulated

Hazard Class N/A

Marine Pollutant Product is a marine pollutant according to the criteria set by IMDG/IMO

ADR Not regulated

ADN Not regulated

Not regulated

## **15. REGULATORY INFORMATION**

## International Inventories

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Phthalocyanine green - 1328-53-6	1328-53-6	10 - 30	1.0
Phthalocyanine blue - 147-14-8	147-14-8	10 - 30	1.0
Barium sulfate - 7727-43-7	7727-43-7	10 - 30	1.0
Ethylene glycol - 107-21-1	107-21-1	1 - 5	1.0

### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

## CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phthalocyanine green 1328-53-6		X		
Phthalocyanine blue 147-14-8		X		

### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethylene glycol	5000 lb		RQ 5000 lb final RQ

## US State Regulations

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Titanium dioxide 13463-67-7	×	×	X		
Phthalocyanine green 1328-53-6			X	X	
Barium sulfate 7727-43-7	X	×	X	X	
Carbon black 1333-86-4	X	×	Х		Х
Iron oxide 1309-37-1	X	X	X		
Ethylene glycol 107-21-1	×	×	X	Х	×

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### International Regulations

#### **Mexico**

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Iron hydroxide oxide		Mexico: TWA 1 mg/m <sup>3</sup>
20344-49-4 ( 15 - 40 )		Mexico: STEL 2 mg/m <sup>3</sup>
Titanium dioxide		Mexico: TWA= 10 mg/m <sup>3</sup>
13463-67-7 ( 15 - 40 )		Mexico: STEL= 20 mg/m <sup>3</sup>
Carbon black		Mexico: TWA 3.5 mg/m <sup>3</sup>
1333-86-4 ( 10 - 30 )		Mexico: STEL 7 mg/m <sup>3</sup>
Iron oxide		Mexico: TWA 5 mg/m <sup>3</sup>
1309-37-1 ( 10 - 30 )		Mexico: STEL 10 mg/m <sup>3</sup>
Ethylene glycol		Mexico: Ceiling 100 mg/m <sup>3</sup>
107-21-1 (1 - 5)		

Mexico - Occupational Exposure Limits - Carcinogens

### Canada

WHMIS Hazard Class

D2A - Very toxic materials



## **16. OTHER INFORMATION**

NFPA Health Hazards 2 Flammability 0 Instability 0 Physical and Chemical Hazards - HMIS Health Hazards 2 \* Flammability 0 Physical Hazard 0 Personal Protection X

Chronic Hazard Star Legend \* = Chronic Health Hazard

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Revision Date 31-Dec-2014

Revision Note No information available

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet** 

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