830-1109 CAL-TINT®II BURNT SIENNA

Specification: 000000139656 Revision Date:

Version Number: 01



1. Identification

Product identifier 830-1109 CAL-TINT®II BURNT SIENNA

Other means of identification

SAP Specification 000000139656
Recommended use Aqueous colorant
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Chromaflo Technologies Corporation

2600 Michigan Avenue Ashtabula, OH 44005-0816

USA

 Telephone
 440-997-5137

 Telefax
 440-992-3613

 US: CHEMTREC
 800-424-9300

EMERGENCY NUMBER

CANADA: CANUTEC 613-996-6666

EMERGENCY NUMBER

Product Regulatory 440-536-9691

Services

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Germ cell mutagenicity Category 1B

Carcinogenicity Category 1B

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement May cause genetic defects. May cause cancer.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information If product is in liquid or paste form, physical or health hazards listed related to dust are not

considered significant. However, product may contain substances that could be potential hazards

if caused to become airborne due to grinding, sanding or other abrasive processes.

3. Hazardous components

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ethanediol; ethylene glycol		107-21-1	10 - 20
Diethylene glycol		111-46-6	2.5 - 10
Titanium dioxide		13463-67-7	0.1 - 1
Other components below reportable	levels		80 - 90

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*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Symptoms may be delayed.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur. Ingestion Direct contact with eyes may cause temporary irritation. Most important

symptoms/effects, acute and

treatment needed

delayed Indication of immediate Provide general supportive measures and treat symptomatically. Keep victim under observation.

General information IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware

of the material(s) involved, and take precautions to protect themselves.

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed.

Move containers from fire area if you can do so without risk.

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

5. Fire-fighting measures

medical attention and special

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire-fighting equipment/instructions

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.	
US. ACGIH Threshold Limit Values Components	Туре	Value	Form	
ethanediol; ethylene glycol (CAS 107-21-1)	Ceiling	100 mg/m3	Aerosol.	

US. ACGIH Threshold Limit Values

Form Components Type Value TWA 10 mg/m3

Titanium dioxide (CAS

13463-67-7) Biological limit values

No biological exposure limits noted for the ingredient(s)

Appropriate engineering

controls

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.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear protective gloves

Other Wear appropriate chemical resistant clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to

vapor/mist at levels exceeding the exposure limits.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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

Appearance

Physical state Liquid. Form Liquid. Color brownish Odor Characteristic. Odor threshold Not available. pН Not available. Melting point/freezing point Not available.

Initial boiling point and boiling

range

390.27 °F (199.04 °C) estimated

251.0 °F (121.7 °C) estimated Flash point

Evaporation rate Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Not available. Vapor pressure Vapor density Not available. Relative density Not available.

Solubility(ies)

Solubility (water) Not available. Not available. Partition coefficient

(n-octanol/water)

Auto-ignition temperature Not available. **Decomposition temperature** Not available. Not available. Viscosity

Other information

Density 12.873 lbs/gal

Combustible IIIB estimated Flammability class

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. Chemical stability

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Strong oxidizing agents. Incompatible materials

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard. Inhalation Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected. Skin contact Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Product	Species	Test Results
830-1109 CAL-TINT®II BUF	RNT SIENNA (CAS Mixture)	
Acute		
Dermal		
LD50	Rabbit	53587.2109 mg/kg estimated
Inhalation		
LC50	Mouse	16000 mg/l, 2 Hours estimated
		15293.6826 mg/l, 4 Hours estimated
	Rat	32800 mg/l, 0.5 Hours estimated
Oral		
LD50	Cat	10045.6621 mg/kg estimated
	Dog	32678.6602 mg/kg estimated
	Guinea pig	56.0215 g/kg estimated
	Mouse	68.613 g/kg estimated
	Rabbit	731.1488 g/kg estimated
	Rat	40.212 g/kg estimated
Other		
LD100	Rat	5882.353 g/kg estimated
LD50	Mouse	34.5131 g/kg estimated
	Rabbit	54483.543 mg/kg estimated
	Rat	10974.4834 mg/kg estimated
Components	Species	Test Results
ethanediol; ethylene glycol ((CAS 107-21-1)	
Acute		
Dermal		
LD50	Rabbit	9530 mg/kg
Oral	_	
LD50	Cat	1650 mg/kg
	Dog	5500 mg/kg
	Guinea pig	8.2 g/kg
	Mouse	14.6 g/kg
	Rat	5.89 g/kg

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 Components
 Species
 Test Results

 Other
 LD50
 Mouse
 5.8 g/kg

 Rat
 2800 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Species

Specific target organ toxicity -

single exposure

Product

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not available.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Test Results

		•	
830-1109 CAL-TINT®	II BURNT SIENNA ((CAS Mixture)	
Crustacea	EC50	Daphnia	95452.8828 mg/l, 48 hours estimated
Fish	LC50	Fish	2827.8628 mg/l, 96 hours estimated
Components		Species	Test Results
ethanediol; ethylene g	lycol (CAS 107-21-1	1)	
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	8050 mg/l, 96 hours
Titanium dioxide (CAS	13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

ethanediol; ethylene glycol -1.36

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. This material

and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

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^{*} Estimates for product may be based on additional component data not shown.

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 of 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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not available.

the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ethanediol; ethylene glycol (CAS 107-21-1)

Listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

quantity planning quantity planning quantity, planning quantity, lower value upper value	Chemical name	CAS number	Reportable quantity	Threshold planning quantity	• • • • • • • • • • • • • • • • • • • •	
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formaldehyde 50-00-0 100 500 lbs

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
ethanediol; ethylene glycol	107-21-1	10 - 20	
Zinc naphthenate-2-ethylhexanoate	12001-85-3	0.1 - 1	
formaldehyde	50-00-0	0 - 0.1	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

ethanediol; ethylene glycol (CAS 107-21-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

ethanediol; ethylene glycol (CAS 107-21-1)

Titanium dioxide (CAS 13463-67-7)

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SDS US

US. New Jersey Worker and Community Right-to-Know Act

ethanediol; ethylene glycol (CAS 107-21-1) 500 lbs

US. Pennsylvania RTK - Hazardous Substances

ethanediol; ethylene glycol (CAS 107-21-1) Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

ethanediol; ethylene glycol (CAS 107-21-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethanol; ethyl alcohol (CAS 64-17-5) Listed: April 29, 2011 Listed: July 1, 1988 formaldehyde (CAS 50-00-0) Listed: January 1, 1988 Titanium dioxide (CAS 13463-67-7) Listed: September 2, 2011

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Inventory name

Ethanol; ethyl alcohol (CAS 64-17-5) Listed: October 1, 1987

International Inventories

Country(s) or region

Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

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

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knowledge and experience currently available.

Product and Company Identification: Product and Company Identification **Revision Information**

Physical & Chemical Properties: Multiple Properties

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On inventory (yes/no)*

Yes