

**MATERIAL SAFETY DATA SHEET****844-5558 CHROMA-CHEM®PHTHALO GREEN BLUE SHADE PG**

Material no.		Version	4.0 / US
Specification	139171	Revision date	06/18/2012
Order Number		Print Date	04/06/2013
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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : 844-5558 CHROMA-CHEM®PHTHALO GREEN BLUE SHADE PG

Use of the Substance / Preparation : Non-aqueous colorant

Company : Chromaflo Technologies Corporation  
2600 Michigan Avenue  
Ashtabula, OH 44005-0816  
USA

Telephone : 440-997-5137

Telefax : 440-992-3613

US: CHEMTREC EMERGENCY NUMBER : 800-424-9300

CANADA: CANUTEC EMERGENCY NUMBER : 613-996-6666

Product Regulatory Services : 440-536-9691

**2. HAZARDS IDENTIFICATION****\*\*\* EMERGENCY OVERVIEW \*\*\***

**Form-liquid**    **Color-green**    **Odor-Aromatic odor., Sweet odor.**

May cause eye, skin and respiratory tract irritation.  
Combustible liquid and vapor.

**POTENTIAL HEALTH EFFECTS****Eye contact**

Irritating.  
May cause tearing, reddening and/or swelling.  
May injure eye tissue if not removed promptly.  
May cause conjunctivitis.

**Skin Contact**

A moderate skin irritant based on testing of similar CHROMA-CHEM® base mixtures. Prolonged or repeated contact may cause irritation.  
Prolonged skin contact with large amounts of ether acetates may cause drowsiness.

**Inhalation**

Possibly irritating.  
Excessive inhalation of solvent vapors may cause nasal and respiratory irritation and central

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nervous system effects including dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even death.

**Ingestion**

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Chronic Health Hazard**

High vapor concentrations (3000 ppm) of propylene glycol monomethyl ether acetate caused upper respiratory irritation and liver and kidney effects in subchronic animal testing. The relevance of these results to humans is not known.

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Because this product is a free-flowing liquid or paste, dust inhalation is not an expected route of exposure.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components**

2-methoxy-1-methylethyl acetate			
CAS-No.	108-65-6	Percent (Wt./ Wt.)	30 - 60 %
Stoddard solvent; Low boiling point naphtha - unspecified			
CAS-No.	8052-41-3	Percent (Wt./ Wt.)	5 - 10 %
Poly(oxy-1,2-ethanediyl),alpha-tridecyl-o-OH,phosphate			
CAS-No.	9046-01-9	Percent (Wt./ Wt.)	5 - 10 %
Polyoxyethylene nonylphenyl ether phosphate			
CAS-No.	68412-53-3	Percent (Wt./ Wt.)	1 - 5 %
Isoalcohols, C-13-Rich, ethoxylated			
CAS-No.	78330-21-9	Percent (Wt./ Wt.)	1 - 5 %

**Other information**

This material is classified as hazardous under OSHA regulations.

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**4. FIRST AID MEASURES****Inhalation**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

**Skin contact**

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash clothing, shoes and protective equipment before reuse or discard. Get medical attention if irritation develops or persists.

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**Eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 30 minutes, while holding eyelids apart.

Do not allow contaminated water to contact the unaffected eye or face during irrigation of an affected eye.

Obtain medical attention immediately.

**Ingestion**

Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal.

Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Never administer anything by mouth to an individual who rapidly losing consciousness, unconscious or convulsing.

If the heart has stopped or breathing has stopped, trained personnel should begin cardiopulmonary resuscitation or artificial respiration immediately.

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**5. FIRE-FIGHTING MEASURES**

Flash point	42.22 °C , 108 °F
	Method: Setaflash Closed Cup

OSHA Flammability Classification	Combustible Liquid
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**Suitable extinguishing media**

Use water spray or fog, foam, dry chemical or CO2.

**Specific hazards during fire fighting**

Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Burning will produce hazardous compounds including oxides of: carbon, nitrogen.

**Further information**

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES****Additional advice**

Remove sources of ignition and ventilate area.

Use personal protective equipment as described in Section 8. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations.

Do not contaminate any lakes, streams, ponds, groundwater, or soil.

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**7. HANDLING AND STORAGE****Handling****Safe handling advice**

Keep away from sparks and other sources of ignition.

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844-5558 CHROMA-CHEM® PHTHALO GREEN BLUE SHADE PG



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Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.

## Storage

### Requirements for storage areas and containers

Keep in a dry, cool place.

Keep away from heat. Keep away from sparks, flame and other sources of ignition.

Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component occupational exposure guidelines

- Stoddard solvent; Low boiling point naphtha - unspecified

CAS-No. 8052-41-3

Control parameters 100 ppm

500 ppm

2900 mg/m<sup>3</sup>

100 ppm

525 mg/m<sup>3</sup>

Time Weighted Average (TWA): (ACGIH)

PEL: (OSHA Z1)

Time Weighted Average (TWA)

Permissible Exposure Limit (PEL): (US CA

OEL)

### Other information

Exposure values for mineral spirits (CAS Nr 8052-41-3) are given as Stoddard solvent.

The AIHA WEEL for propylene glycol monomethyl ether acetate is 50 ppm TWA.

## Engineering measures

Local exhaust and mechanical ventilation recommended.

## Personal protective equipment

### Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

### Hand protection

Use impermeable gloves.

### Eye protection

Chemical resistant goggles must be worn.

### Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment requirements, it is recommended that a hazard assessment be conducted before using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

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Form	liquid
Color	green
Odor	Aromatic odor., Sweet odor.

**Safety data**

Boiling point/range	> 143 °C
Flash point	42.22 °C Method: Setaflash Closed Cup
Relative density	1
Solubility/qualitative	Solubility in water: Negligible.
Viscosity, dynamic	75 - 90 KU (25 °C)
Solvents and Volatiles Data	% VOC (gm/l) 525
Evaporation rate	Slower than butyl acetate

**10. STABILITY AND REACTIVITY**

Materials to avoid	oxidizing substances
Hazardous reactions	Stable under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

Component	Acute oral toxicity	2-methoxy-1-methylethyl acetate 108-65-6 LD50 Rat: 8532 mg/kg  Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3 LD50 Rat: > 5000 mg/kg  Poly(oxy-1,2-ethanediyl),alpha-tridecyl-o-OH,phosphate 9046-01-9 LD50 Rat: > 2000 mg/kg  Polyoxyethylene nonylphenyl ether phosphate 68412-53-3 LD50 Rat: 4450 mg/kg  Isoalcohols, C-13-Rich, ethoxylated 78330-21-9 LD50 Rat: 2850 mg/kg
Component	Acute inhalation toxicity	LC50 (rat) > 4345 ppm, 6 hours, vapor related to substance: 2-methoxy-1-methylethyl acetate

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	Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3 LC50 Rat: > 5500 mg/m3 / 4 h
Component Acute dermal toxicity	2-methoxy-1-methylethyl acetate 108-65-6 LD50 Rabbit: > 19000 mg/kg (calculated) (literature value)
	Stoddard solvent; Low boiling point naphtha - unspecified 8052-41-3 LD50 Rabbit: > 3000 mg/kg
Component General Toxicity Information	2-methoxy-1-methylethyl acetate 108-65-6 High vapor concentrations (3000 ppm) of propylene glycol monomethyl ether acetate caused upper respiratory irritation and liver and kidney effects in subchronic animal testing. The relevance of these results to humans is not known.

**12. ECOLOGICAL INFORMATION**

General Ecological Information	No ecotoxicological studies are available.
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**13. DISPOSAL CONSIDERATIONS****WASTE DISPOSAL**

Advice on disposal	Waste must be disposed of in accordance with federal, provincial and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.
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**14. TRANSPORT INFORMATION****Sea transport IMDG-Code**

Class	3
UN-No	1263
Packaging group	III
EmS	F-E, S-E
Proper technical name (Proper shipping name)	
PAINT RELATED MATERIAL	

**Air transport ICAO-TI/IATA-DGR**

Class	3
UN-No	1263

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Packaging group III

Proper technical name (Proper shipping name)

Paint related material

**Loading instructions/Remarks**

IATA\_C ERG-Code 3L

IATA\_P ERG-Code 3L

CFR\_INWTR In the U.S. this material may be classified as combustible liquid.  
Combustible liquids are not regulated in packages 450 liters or less.  
This applies for shipments by road and rail only.

CFR\_RAIL In the U.S. this material may be classified as combustible liquid.  
Combustible liquids are not regulated in packages 450 liters or less.  
This applies for shipments by road and rail only.

CFR\_ROAD In the U.S. this material may be classified as combustible liquid.  
Combustible liquids are not regulated in packages 450 liters or less.  
This applies for shipments by road and rail only.

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**15. REGULATORY INFORMATION****US Federal Regulations****OSHA**

If listed below, chemical specific standards apply to the product or components:

- None listed

**Clean Air Act Section (112)**

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

**CERCLA Reportable Quantities**

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

**SARA Title III Section 311/312 Hazard Categories**

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Chronic Health Hazard
- Fire Hazard
- Acute Health Hazard

**SARA Title III Section 313 Reportable Substances**

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

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## Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

## State Regulations

### California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

- None listed

## International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact the Product Regulatory Services Department.

- |                          |                           |
|--------------------------|---------------------------|
| • Europe (EINECS/ELINCS) | Listed/registered         |
| • USA (TSCA)             | Listed/registered         |
| • Canada (DSL)           | Listed/registered         |
| • Australia (AICS)       | Listed/registered         |
| • Japan (MITI)           | Not listed/Not registered |
| • Korea (TCCL)           | Listed/registered         |
| • Philippines (PICCS)    | Listed/registered         |
| • China                  | Listed/registered         |
| • New Zealand            | Listed/registered         |

## 16. OTHER INFORMATION

### HMIS Ratings

Health :	2
Flammability :	2
Physical Hazard :	0

### Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.