1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name	:	844-7262 CHROMA-CHEM®PHTHALO BLUE PB
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**-blue* **Odor**-*Aromatic odor., Sweet odor.*

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

POTENTIAL HEALTH EFFECTS

Eye contact

Severely irritating.
Causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.
May injure eye tissue and result in permanent damage.

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 nervous system effects including dizziness, weakness, fatigue, nausea, headache, possible

unconsciousness and even death.
If misted, causes irritation of mucous membranes, nose, eyes, and throat. May cause coughing and difficulty in breathing.

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.

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 %
C.I. Pigment Blue 15:2			
CAS-No.	12239-87-1	Percent (Wt./ Wt.)	10 - 30 %
Stoddard solvent; Low boiling point naphtha - unspecified			
CAS-No.	8052-41-3	Percent (Wt./ Wt.)	10 - 30 %
NJTSR No.56705700001-5043P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5057P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5384P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %

Other information

This material is classified as hazardous under OSHA regulations.

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.

Eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Do not allow contaminated water to contact the unaffected eye or face during irrigation of an affected eye.

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

5. FIRE-FIGHTING MEASURES

Flash point	42.22 °C , 108 °F Method: Setaflash Closed Cup
OSHA Flammability Classification	Combustible Liquid

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. In the case of fire, the following hazardous smoke fumes may be produced: copper oxides. Burning will produce hazardous compounds including oxides of: carbon. phosphorus. 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.

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.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Keep away from sparks and other sources of ignition.

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	Time Weighted Average (TWA):(ACGIH)
	500 ppm	PEL:(OSHA Z1)
	2900 mg/m3	
	100 ppm	Time Weighted Average (TWA)
	525 mg/m3	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.

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

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

Safety data

Boiling point/range	> 143 °C
Flash point	42.22 °C Method: Setaflash Closed Cup
Relative density	1 (25 °C)
Solubility/qualitative	Solubility in water: Negligible.
Viscosity, dynamic	65 - 85 KU (25 °C)
Solvents and Volatiles Data	% VOC (gm/l) 497
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 NJTSR No.56705700001-5043P Trade Secret LD50 Rat: 3000 mg/kg NJTSR No.56705700001-5057P Trade Secret LD50 Rat: 4450 mg/kg NJTSR No.56705700001-5384P Trade Secret LD50 Rat: > 2000 mg/kg
Component Acute inhalation toxicity	2-methoxy-1-methylethyl acetate 108-65-6 LC50 Rat: > 4345 ppm / 6 h / vapour 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: > 5000 mg/kg

Stoddard solvent; Low boiling point naphtha - unspecified
8052-41-3
LD50 Rabbit: > 3000 mg/kg

NJTSR No.56705700001-5043P
Trade Secret
LD50 Rabbit: 4400 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.

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.

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

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.

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

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

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)	Not listed/Not registered
• Japan (MITI)	Not listed/Not registered
• Korea (TCCL)	Listed/registered
• Philippines (PICCS)	Not listed/Not 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.