

MATERIAL SAFETY DATA SHEET

HMIS INFORMATION:

Health: 1
Flammability: 1
Physical Hazard: 0

Section 1. PRODUCT IDENTIFICATION

PRODUCT NAME: 5151 PHTHALO BLUE 15:1
VERSION DATE: 06/10/2005
CAS NUMBER: 147-14-8
C.I. PIGMENT: 74160

Section 2. COMPOSITION

Ingredient	CAS No	Percent	Hazardous
Pigment Blue 15:1	147-14-8	100	No
Total Copper (as complex)	7440-50-8	~ 10	No

Section 3. HAZARDS IDENTIFICATION

Emergency Overview

When exposed to extremely high temperatures for extended periods of time (such as a fire), organic pigments may burn or smolder emitting noxious fumes that can include nitrogen and carbon dioxides or other toxic compounds.

Contact Rating: 2 - Moderate
Lab Protective Equip: Safety glasses

Potential Health Effects

Inhalation:

Remove to fresh air immediately. Call physician.

Ingestion:

No significant effects.

Skin Contact:

May cause skin irritation if in contact for extended periods of time.

Eye Contact:

The more common hazards are local irritation or abrasion. In severe cases absorption can occur through eye tissues and may cause corneal injury.

Chronic Exposure:

None known

Aggravation of Pre-existing Conditions:

None known

Section 4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Thoroughly clean shoes and wash clothing before reuse. Get medical attention irritation persists.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 5. FIRE FIGHTING MEASURES

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard. Sealed containers may rupture when heated.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Carbon dioxide, dry chemical, water spray or foam are suitable.

Fire Fighting Equipment:

Wear self-contained breathing apparatus and protective suit.

Section 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate PPE as specified in Section 8.

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Dispose of in accordance with Federal, State or local procedures.

Section 7. HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Wear special protective equipment (Sec. 8) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Observe all warnings and precautions listed for the product.

Section 8. EXPOSURE CONTROLS

For Nuisance Dust:

OSHA Threshold Limit Value (TLV):

15 mg/m³ TWA Total Dust

5 mg/m³ Respirable Dust

Ventilation System:

A system of local and/or general ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved):

Use NIOSH approved respirator as needed to mitigate exposure.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fine blue powder	Vapor Density (Air=1):	Not applicable
Odor:	Odorless	Melting Point:	300°C
Solubility:	Insoluble	Vapor Pressure (mm Hg):	Not applicable
Specific Gravity:	1.58 – 1.70	% Volatiles by volume:	Not applicable
pH:	Range of ~ 6.0 – 8.0	Evaporation Rate (BuAc=1):	Not applicable
Boiling Point:	No information found.		

Section 10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: When involved in a fire, burning organic pigments may evolve noxious gases.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong reducing agents, combustibles, and organic materials.

Conditions to Avoid: Incompatibles.

Section 11. TOXICOLOGICAL INFORMATION

Toxicological Data:

This product has reported an acute LD50 value of 5000 mg/kg or greater in rats.
Primary Irritation: Non-irritating skin and eyes (rabbit)

Reproductive Toxicity: Not available

Cancer Lists:

Ingredient	NTP Carcinogen		
	Known	Anticipated	IARC Category
None			

Section 12. ECOLOGICAL INFORMATION

Environmental Fate:

When released into the soil, this material may leach into groundwater. This material may be removed from the atmosphere to a moderate extent by wet deposition. Organic pigments are generally insoluble compounds, and as such are believed to have minimal bioaccumulation and bio-availability characteristics.

Environmental Toxicity:

No information found.

Section 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: Not regulated
 Hazard Class:
 UN/NA:
 Packing Group:
 Information reported for product/size:

International (Water, I.M.O.)

Proper Shipping Name: Not regulated
 Hazard Class:
 UN/NA:
 Packing Group:
 Information reported for product/size:

International (Air, I.C.A.O.)

Proper Shipping Name: Not regulated
 Hazard Class:
 UN/NA:
 Packing Group:
 Information reported for product/size:

Section 15. REGULATORY INFORMATION

Chemical Inventory Status

Ingredient	TSCA	EC	Japan	Australia	Korea	Canada		Phil.
						DSL	NDSL	
Pigment Blue 15:1	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Federal, State & International Regulations

Ingredient	SARA 302		SARA 313		CERCLA	RCRA 261.33	TSCA 8(d)
	RQ	TPQ	List	Chemical Category			
Pigment Blue 15:1	No	No	No	No	No	No	No

Chemical Weapons Convention	No	Fire:	No
TSCA 12 (b)	No	Pressure:	No
CDTA:	No	Reactivity:	No
SARA 311/312:	Acute	Australian Hazchem Code:	NA
	Chronic		

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 16. OTHER

NFPA Ratings:

Health: 1

Flammability: 1
Reactivity: 0

DISCLAIMER OF LIABILITY

We provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.