

## PLASTISOL BLUE INK

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# SAFETY DATA SHEET

#### PLASTISOL BLUE INK

# **Section 1. Identification**

**GHS product identifier** : ENORME PLASTISOL BLUE INK

**Chemical name** : Mixture **CAS number** : Mixture

Other means of identification : ENORME-PL-1815

**Product type** : Paste

Relevant identified uses of the substance or mixture

Company name : D3 Industrial Products INC.

Address : 11968 Monarch st, Garden Grove, 92841

California, USA

Emergency Phone : North America: 1-800-255-3924

International: + 1-813-248-0585

E-mail : info@enormeink.com

# Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and the potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and

other users of this product.

Classification of the substance or

mixture

Not classified.

**GHS** label elements

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.



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#### **Precautionary statements**

Not applicable. Prevention Not applicable. Response Not applicable. Storage Not applicable. **Disposal** Not applicable. **Supplemental label elements** None known. Hazards not otherwise classified None known. Not available.

# Section 3. Composition/information on ingredients

Substance/mixture Mixture Chemical name Mixture

Other means of identification ENORME-PL-1815

#### CAS number/other identifiers

Component	CAS No	Concentration (%)
PolyVinylChloride (*)	9002-86-2	30-40 %
1,6-bis(7-methyloctyl) hexanedioate	33703-08-1	55-68 %
Pigment Blue	57455-37-5	2-5%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface.

Washing eyes within 1 minute is essential to achieve maximum

effectiveness. Seek medical attention immediately.



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**Inhalation** : Get victim to fresh air. Give artificial respiration or oxygen if

breathing has stopped. Get prompt medical attention. Do not give fluids if the victim is unconscious. If the victim doesn't feel good, immediately call the National Poison Control Center (phone: 114)

Seek medical attention immediately.

**Skin contact**: Immediately flush skin with plenty of water while removing

contaminated clothing. Wash contaminated clothing before reuse. If

redness or irritation occurs, seek medical attention.

**Ingestion**: Harmful if swallowed. Do NOT induce vomiting. Never give anything

by mouth to an unconscious person. If vomiting occurs, to open the airway of victim's and for prevent aspire, lean to the left side if possible (head down). Immediately consult a doctor with the product

label (if possible)

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

#### Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms

may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without

suitable training.

See toxicological information (Section 11)

# **Section 5. Fire-fighting measures**

#### **Extinguishing media**



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Suitable extinguishing media Unsuitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

None known.

Specific hazards arising from

thechemical

Hazardous thermal decomposition products No specific fire or explosion hazard.

May emit Hydrogen Chloride (HCl).

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides

halogenated compounds metal oxide/oxides

Special protective actions for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

## Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken involving any personal risk or without

> suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

See also the information in "For non-emergency personnel".

**Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil,

> waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil

or air).

#### Methods and materials for containment and cleaning up

Small spill Move containers from spill area. Vacuum or sweep up material and

place in a designated, labeled waste container. Dispose of via a

licensed waste disposal contractor.



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Large spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

### Precautions for safe handling

Protective measures Advice on general occupational hygiene Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep the container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

### Occupational exposure limits

Ingredient name	Exposure limits
PolyVinylChloride (*)	OSHA PEL 1989 (1989-03-01) TWA 1 ppm [0.5 ppm Action Level] OSHA PEL (1993-06-30) TWA 5 ppm [15 minutes] Form: Total dust CAL/OSHA PEL TWA 1ppm Form: respirable fraction, nanoscale particles
1,6-bis(7-methyloctyl) hexanedioate	OSHA PEL 1989 (1989-03-01) NOT ESTABLISHED OSHA PEL (1993-06-30)



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NOT ESTABLISHED CAL/OSHA PEL
NOT ESTABLISHED

Appropriate engineering controls

Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

**Environmental exposure controls** 

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be

necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical

products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety

showers are close to the workstation location.

**Eye/face protection** : Protective goggles against the risk of splash.

#### **Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved

standard should be worn at all times when handling chemical products

if a risk assessment indicates this is necessary.

**Body protection**: May cause skin irritation and burns; use resistance gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

**Respiratory protection**: Based on the hazard and potential for exposure, select a respirator that

meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper

fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties



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#### **Appearance**

Physical stateblue, pasteColorBlueOdorFaint odor.Odor thresholdNot available.

**pH** : N/A.

Melting point: Not available.Boiling point: 212 °F.Flash point: >212°F

**Density** :  $1,15 \text{ g/cm}^3 (77 \text{ °F})$ 

Burning time: Not available.Burning rate: Not available.Evaporation rate: Not available.Flammability (solid, gas): Not available.

Lower and upper explosive : Lower: Not applicable. (flammable) limits : Upper: Not applicable.

Vapor pressure: Not available.Vapor density: Not applicable.

Relative density: Not available.Solubility: Not available.Solubility in water: Insoluble in water.

Partition coefficient: n- : Not applicable.

octanol/water

**Auto-ignition temperature** : Not applicable.

**Decomposition temperature** : Not available. **SADT** : Not available.

Viscosity : [(25 °C/77°F) sp: 7, rpm: 2 Brookfield ]

: 1.900.000 - 2.000.000 [mPa.s]

# Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity are available for this product or

its ingredients.

Chemical stability : Stable under recommended storage and handling conditions (see

Section 7).



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Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will

not occur.

**Conditions to avoid** : Keep away from extreme heat and oxidizing agents.

Incompatible materials : Avoid contact with acetal homopolymers and acetyl homopolymers

during processing.

**Hazardous decomposition** : Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

# Section 11. Toxicological information

## Information on toxicological effects

#### **Acute toxicity**

products

Product/ingredient name	Result	Species	Dose	Exposure		
1,6-bis(7-methyloctyl) hexaned	1,6-bis(7-methyloctyl) hexanedioate					
	LD50 Oral	Rat – Male and	> 5.000 mg/kg	-		
		female				
	LD50 Dermal	Guinea pig	> 19.680 mg/kg	-		
	LD50	Rat - male	> 3.200 mg/kg	-		
	Intraperitonal					

**Conclusion/Summary** : Mixture. Not fully tested.

### **Irritation/Corrosion**

Skin Rabit		
Skin	:	There is no skin irritation - 4 H (OECD test guideline 404)
Eyes	:	There is a small amount of eye irritation (OECD test guideline 405)
Respiratory	:	Appropriate data are not available

#### **Sensitization**

Conclusion/Summary

Skin: Mixture. Not fully tested.Respiratory: Mixture. Not fully tested.

Mutagenicity

**Conclusion/Summary** : Mixture. Not fully tested.

#### Carcinogenicity



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**Conclusion/Summary** : Mixture. Not fully tested.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
PolyVinylChloride (*)	-	2B	-
1,6-bis(7-methyloctyl)	-	-	-
hexanedioate			

#### **Reproductive toxicity**

**Conclusion/Summary** : Mixture. Not fully tested.

**Teratogenicity** 

**Conclusion/Summary** : Mixture. Not fully tested.

#### Specific target organ toxicity (single exposure)

Not available.

#### **Specific target organ toxicity (repeated exposure)**

Not available.

#### **Aspiration hazard**

Not available.

**Information on the likely routes of** : Not available.

exposure

#### Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure



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#### **Short term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

**Conclusion/Summary** : Mixture. Not fully tested.

General: No known significant effects or critical hazards.Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.

**Teratogenicity** : Not available. **Developmental effects** : Not available.

**Fertility effects** : No known significant effects or critical hazards.

#### Numerical measures of toxicity

## **Acute toxicity estimates**

N/A

**Other information**: This mixture has not been evaluated as a whole for health effects.

Exposure effects listed are based on existing health data for the

individual components which comprise the mixture.

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
1,6-bis(7-methyloctyl)	96 hr Acute LC50 > 500 Mg/l	Fish - Fundulus heteroclitus	96 h
hexanedioate	Marine water		



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	24 hr Acute EC50 100 Mg/l Fresh	Crustaceans - Ceriodaphnia	48 h
	water	dubia	
	48 hr Acute LC50 500	Daphnia - Daphnia pulex	48 h
	Mg/l Freshwater		
PolyVinylChloride (*)			
Remarks - Acute - Aquatic	Chemicals are not readily available	as they are bound within the poly	mer matrix.
invertebrates.:	•	-	

**Conclusion/Summary** 

: Chemicals are not readily available as they are bound within the

polymer matrix.

Persistence and degradability

**Conclusion/Summary**: Chemicals are not readily available as they are bound within the

polymer matrix.

**Conclusion/Summary**: Chemicals are not readily available as they are bound within the

polymer matrix.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
PolyVinylChloride (*)	-	-	low
1,6-bis(7-methyloctyl) hexanedioate	-	~100-500	low

#### **Mobility in soil**

Soil/water partition coefficient

(KOC)

Not available.

Other adverse effects : No known significant effects or critical hazards.

# Section 13. Disposal considerations



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**Disposal methods** 

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

# Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water : Not regulated for transportation.

International Air ICAO/IATA

: Not classified as dangerous goods under transport regulations.

International Water IMO/IMDG

: Not classified as dangerous goods under transport regulations.

# **Section 15. Regulatory information**

**U.S. Federal regulations** 

United States - TSCA 12(b) - Chemical export notification: None

of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed
United States - TSCA 4(a) - ITC Priority list: Not listed
United States - TSCA 4(a) - Proposed test rules: Not listed
United States - TSCA 4(f) - Priority risk review: Not listed
United States - TSCA 5(a)2 - Final significant new use rules: Not

listed

United States - TSCA 5(a)2 - Proposed significant new use rules:

Not listed

United States - TSCA 5(e) - Substances consent order: Not listed



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United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report (PAIR): Listed

United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed

United States - EPA Clean water act (CWA) section 311 -

Hazardous substances: Listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Flammable substances: Not listed

 $\begin{tabular}{ll} \textbf{United States - EPA Clean air act (CAA) section 112 - Accidental} \\ \end{tabular}$ 

release prevention - Toxic substances: Not listed

**United States - Department of commerce - Precursor chemical:** 

Not listed

**Hazardous Air Pollutants** : Listed

(HAPs)

Clean Air Act Section 602 Class I

**Substances** 

Clean Air Act Section 602 Class II

**Substances** 

**DEA List I Chemicals (Precursor** 

Chemicals)

**DEA List II Chemicals (Essential** 

Chemicals)

Not listed

Not listed

NT . 11 . 1

Not listed

Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

**SARA 311/312** 

**Classification** : Not applicable.

#### **Composition/information on ingredients**



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Name	%	Classification
Polyvinylchloride	30-40 %	CARCINOGENICITY - Category 1

Not applicable.

**State regulations** 

Massachusetts : The following components are listed:

9002-86-2

New York : None of the components are listed.

New Jersey : The following components are listed:

9002-86-2

**Pennsylvania** : The following components are listed:

9002-86-2

### California Prop. 65

Ingredient name	No significant risk level	Maximum acceptable dosage level
-	-	-

United States inventory (TSCA 8b) : Not determined.

**Canada inventory** : Not determined.

#### **International regulations**

#### **Inventory list**

**New Zealand** 

Republic of Korea

**Philippines** 

Taiwan

Australia: Not determined.Canada: Not determined.China: Not determined.

Eurasian Economic Union : Russian Federation inventory: Not determined.

Japan inventory (CSCL): Not determined.

Japan inventory (ISHL): Not determined.

Not determined.Not determined.Not determined.Not determined.

Thailand : Not determined.

Turkey : Not determined.

United States : Not determined.

Viet Nam : Not determined.



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# **Section 16. Other information**

Hazardous Material Information System (U.S.A.)

Health	/	1
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

History

Date of printing: 10/30/2024Date of issue/Date of revision: 04/22/2024Date of previous issue: 00/00/0000

Version : 1.0

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals

IATA = International Air Transport Association

 $IBC = Intermediate \ Bulk \ Container$ 

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)

UN = United Nations

**References** : Not available.



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#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.