

Safety Data Sheets



Aqua-Dispersion Phthalocyanine Green Pg7

Product code: PD-200040

Department: aqua-dispersion pigments

C.A.S. : trade secret, trade secret, 1328-53-6, 57-55-6, 0102-71-6

Section: 1 Identification

Product name Aqua-Dispersion Phthalocyanine Green
Product use Pigment dispersion

Section: 2 Hazard Identification

Information in accordance with 29 CFR 1910.1200 (Hazcom 2012) in effect on May 25, 2012:
Classification of the chemical in accordance with
29 CFR 1910.1200(d): Not classified as hazardous under any GHS hazard class.

Label elements in accordance with 29 CFR 1910.1200(f):
Hazard pictogram(s): Not Applicable
Signal word: Not Applicable
Hazard statements: Not Applicable
Precautionary statements: Not Applicable
Supplemental information: Skin may discolor due to contact with pigment.
Notes: No Additional Information
Hazards not otherwise classified: No Additional Information.

HGS Label Elements

Signal Word

Precautionary Statements

GHS Classification

Hazard statements

Section: 3 Composition / Information on Ingredients

Mixture:
CAS # Chemical Name
102-71-6 Triethanolamine

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).

Section: 4 First Aid Measures

Description of first aid measures:

General	If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.
Eye contact	Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.
Skin contact	Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.
Inhalation	If affected, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Get medical attention if symptoms occur.
Protection of first aid responders	Wear proper personal protective clothing and equipment.
Most important symptoms and effects, both acute and delayed	Irritation, Skin contact may discolor skin due to pigment. Preexisting skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.
Indication of any immediate medical attention and special treatment needed, if necessary	Treat symptomatically.

Section: 5 Fire Fighting Measures

NFPA flammability class	IIIB
Extinguishing media: Suitable	NFPA Class IIIB (Combustible liquid): Use water spray, ABC dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.
Unsuitable	None known.
Special hazards arising from the chemical: Unusual fire/explosion hazards	Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.
Hazardous combustion products	Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (10.6 Hazardous decomposition products) for additional information.
Special protective equipment and precautions for fire-fighters:	Wear self-contained breathing apparatus (SCBA) equipped with a full face-piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.

Section: 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Eliminate ignition sources.
Environmental precautions Methods and materials for containment and cleaning up:	Do not flush liquid into public sewer, water systems or surface waters. Contain by diking with sand, earth or other non-combustible material. Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse.

Section: 7 Handling And Storage

Precautions for safe handling:

As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product and before eating, smoking or using the bathroom. Use under well-ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapour. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.

Conditions for safe storage, including any compatibilities

Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not allow product to freeze. Do not store in open, unlabeled or mislabelled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

Section: 8 Exposure Control/Personal Protection

Control parameters:

Occupational exposure limits (OEL):

Chemical Name	ACGIH - TWA		ACGIH - STEL	
Triethanolamine	5.00 mg/m ³		N/E	
Chemical Name	OSHA – PEL	OSHA – STEL	OSHA - Ceiling	Mexico
Triethanolamine	N/E	N/E	N/E	N/E

N/E=Not established (no exposure limits established for the listed substances for listed country/region/organization).

Exposure controls:

Appropriate engineering controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapour away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. (Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240-1634, USA.) (<http://www.acgih.org/home.htm>).

Individual protection measures, such as personal protective equipment (PPE):

Eye/face protection

Wear eye protection.

Skin and body protection

Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

Respiratory protection

Respiratory protection is not needed with proper ventilation.

Further information

Eyewash fountains and safety showers are recommended in the work area.

Section: 9 Physical and Chemical Properties

Form	Liquid
pH:	7.5 - 9.5
Appearance	Green
Relative density:	1.20
Odor	Slight amine
Partition coefficient (noctanol/water):	Not Available
Odor threshold:	Not Available
% Volatile by weight	>49%
Solubility in water	Dilutable
VOC	0.3%
Evaporation rate	Slower than n-butyl acetate
Boiling point C	>100°C
Vapor pressure	Not Available
Boiling point F	>212 °F
Vapor density	Heavier than air
Flash point	>93 °C (>200 °F)
Viscosity:	Not Available
Auto-ignition temperature:	Not Available
Melting point/Freezing point:	Not Available
Flammability (solid, gas):	Not Applicable (liquid)
Oxidizing properties:	Not oxidizing
Flammability or explosive limits:	LFL/LEL Not Available UFL/UEL Not Available
Explosive properties:	Not explosive
Decomposition temperature	Not Available
Other information	Amounts specified are typical and do not represent a specification.

Section: 10 Stability And Reactivity

Reactivity	None known.
Chemical stability	This product is stable.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Excessive heat and ignition sources. Do not freeze.
Incompatible materials	Avoid strong acids, bases, and oxidizing agents. Avoid contact with reducing agents. Avoid contact with metals.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, and oxides of nitrogen. Ammonia

Section: 11 Toxicological Information

Information on likely routes of exposure:	
General	Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.
Eyes	May cause eye irritation.
Skin	Repeated or prolonged skin contact may cause irritation.
Inhalation	High airborne concentrations of vapours resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.
Ingestion	Ingestion may cause irritation.
Symptoms/effects, acute and delayed	Irritation, Skin contact may discolour skin due to pigment
Acute toxicity information	Not classified (based on available data, the classification criteria are not met). ATEmix (oral): >5000 mg/kg. ATEmix (dermal): >2000 mg/kg. No toxicity studies have been conducted on this product.

Chemical Name	Inhalation LC50	Oral LD50	Species	Dermal LD50	Species
Triethanolamine	N/E	6400 mg/kg	Rat/ adult	>2000 mg/kg	Rabbit/ adult

Skin corrosion/irritation	Not classified (based on available data, the classification criteria are not met).	
Chemical Name	Skin irritation	Species

Triethanolamine	Mild irritant	Rabbit/ adult
Serious eye damage/irritation	Not classified (based on available data, the classification criteria are not met).	
Chemical Name	Eye irritation	Species
Triethanolamine	Mild-moderate irritant	Rabbit/ adult
Respiratory or skin sensitization	Not classified (based on available data, the classification criteria are not met).	
Chemical Name	Skin sensitisation	Species
Triethanolamine	Non-sensitizer	Guinea Pig/ adult
Carcinogenicity	Not classified.	
Carcinogenic status	The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA or ACGIH.	
Germ cell mutagenicity:	Not classified. TRIETHANOLAMINE: Testing for in vitro microbial and mammalian studies was negative both with and without metabolic activation.	
Reproductive toxicity	Not classified.	
Specific target organ toxicity (STOT)	Not classified.	
single exposure	Not classified.	
repeated exposure	Not classified. TRIETHANOLAMINE: In animals, effects have been reported on the following organs: kidney, liver. Repeated dose study, 90 Day gavage, rat: NOAEL (no-observed-adverse-effect level)= 1000 mg/kg/day.	
Aspiration hazard	Not classified (based on available data, the classification criteria are not met).	
Other toxicity information	No additional information available.	

Section: 12 Ecological Information

Ecotoxicity	No ecological testing has been conducted on this product.	
Chemical Name	Triethanolamine	
Fish 96 hour LC50	11800 mg/L	
Fish 96 hour LC50	>1000 mg/L	
Fish Chronic NOEC	N/E	
Chemical Name	Triethanolamine	
Invertebrates 48 hour EC50	609.9 mg/L	
Invertebrates 24 hour EC50	1386 mg/L	
Invertebrates Chronic NOEC	16 mg/L (21 days)	
Chemical Name	Triethanolamine	
Algae 96 hour EC50	169 mg/L	
Algae 72 hour EC50	216 mg/L	
Algae Chronic NOEC	EC10=7.9 mg/L (72 hours)	
Persistence and degradability:		
Chemical Name	Biodegradation	
Triethanolamine	Readily biodegradable	
Bioaccumulative potential:		
Chemical Name	Triethanolamine	
Bioconcentration Factor (BCF)	<3.9 (OECD 305C)	
Log Kow	-1.75	
Mobility in soil:		
Chemical Name	Triethanolamine	
Mobility in soil (Koc/Kow)	0 - 50 High potential	
Other adverse effects	No additional information available.	

Section: 13 Disposal Considerations

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate waste product when in liquid form (i.e., as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

See Section 8 for recommendations on the use of personal protective equipment.

Section: 14 Transport Information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

UN number	N/A
UN proper shipping name	Not regulated - See Bill of Lading for Details
Transport hazard class(es):	
U.S. DOT hazard class	N/A
Canada TDG hazard class	N/A
Europe ADR/RID hazard class	N/A
IMDG Code (ocean) hazard class	N/A
ICAO/IATA (air) hazard class	N/A
Packing group	N/A
Environmental hazards:	
Marine pollutant	Not Applicable
Hazardous substance (USA)	Not Applicable
Transport in bulk according to Annex II: of MARPOL 73/78 and the IBC code	Not Applicable
Special precautions for user	Not Applicable

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

Section: 15 Regulatory Information

Safety, health and environment regulations/legislation specific for the product:

U.S. federal and state regulations/legislation:

This SDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Reportable Quantity (RQ)	Not Applicable
U.S. Superfund Amendments and Reauthorization Act (SARA) - SARA Section 313	None Known
California Proposition 65: Carcinogen	No known ingredients present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.
Birth Defects or Reproductive hazards	None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.
Canada regulations/legislation	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
WHMIS classification	Not controlled
GHS classification	Not controlled
Canadian Ingredient Disclosure List	None known to be present or none in reportable amounts
Mexico regulations/legislation	This SDS contains the information required by NOM-018-STPS-2000 Workplace Hazardous Chemical Substances Communication and Identification Standard.
Chemical inventories:	
Regulation Status	
Canadian Domestic Substances List (DSL)	Yes
Canadian Non-Domestic Substances List (NDSL)	No
U.S. Toxic Substances Control Act (TSCA)	Yes

Section: 16 Other Information

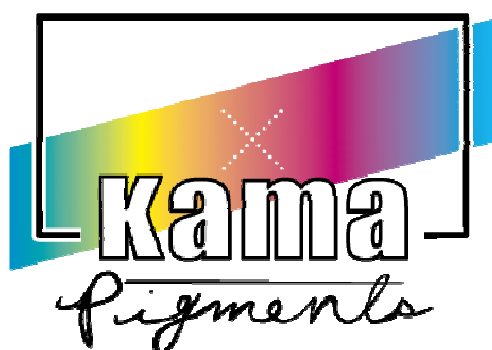
Reference	Manufacturer's material safety data sheet
Prepared by	Kama pigments

Disclaimer:

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Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information, refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Kama pigments Sales Office.

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