

Safety Data Sheets



Aqua-Dispersion Ultramarine Blue Pb29

Product code: PD-200035

Department: aqua-dispersion pigments

C.A.S. : 57455-37-5

Section: 1 Identification

GHS Product Identifier:	Pigment Blue 29 - Aqueous dispersion (CI Blue 29, #77077, CAS #57455-37-5)
PRODUCT USE	Pigment/colorant.
CHEMICAL FAMILY	Pigment. Aqueous Dispersion.

Section: 2 Hazard Identification

OSHA/HCS status:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
------------------	--

HGS Label Elements

Signal Word

GHS Classification

The product does not require a hazard warning label in accordance with GHS criteria.

Hazard statements

No known significant effects or critical hazards.

Precautionary Statements

Prevention: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.
Hazards not otherwise classified: None known.

Section: 3 Composition / Information on Ingredients

Substance/mixture:	Mixture
CAS number/other identifiers:	Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no 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

Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact:	No known significant effects or critical hazards.
Inhalation:	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

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 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	
Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products:	Decomposition products may include the following: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds
Special protective actions for fire-fighters:	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 self-contained 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 nonemergency personnel".

Environmental precautions:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Methods and materials for containment and cleaning up

Small spill:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill:

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).

Section: 7 Handling And Storage

Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8).

Advice on general

occupational hygiene:

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 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 Control/Personal Protection

Control parameters	
Occupational exposure limits:	None.
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:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.
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:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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:	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section: 9 Physical and Chemical Properties

Appearance	
Physical state:	Liquid
Color:	Bright Red Shade Blue
Odor:	Slight Surfactant
Odor Threshold:	Not Applicable
pH:	6.0 – 8.0
Melting point:	Not Applicable
Boiling Point:	Lowest known value: 100°C (212°F)
Flash Point:	Not Applicable
VOC:	0.00%
Evaporation Rate:	<1 (water) compared with Butyl Acetate
Flammability:	Not Available
Lower and upper Explosion Limits:	Not Tested
Vapor pressure:	Not Applicable
Vapor density:	Not Tested
Density:	1.15 – 1.26 (9.5 – 10.5 lbs/gal)
Solubility:	Insoluble in Water
Partition coefficient-n-octanol/water:	Not Applicable
Auto-ignition Temperature:	Not Applicable
Decomposition temperature:	Not applicable.
Viscosity:	Not Tested.

Section: 10 Stability And Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous reactions will not occur.

Section: 11 Toxicological Information

Information on toxicological effects

Acute toxicity

Product	Route	Test Results
Pigment Blue 29 (CAS #57455-37-5)	Oral – Rat	>10,000 mg/kg

Irritation/Corrosion:	No known significant effects or critical hazards.
Sensitization	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
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 exposure:	Not available.
Potential acute health effects	
Eye contact:	No known significant effects or critical hazards.
Inhalation:	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
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 : No specific data.

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

Short term exposure:	Not available.
Long term exposure:	Not available.
Potential chronic health effects:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates:	Not available.
---------------------------	----------------

Section: 12 Ecological Information

Toxicity:	Not available.
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil	
Soil/water partition coefficient (Koc):	Not available.
Other adverse effects:	No known significant effects or critical hazards.

Section: 13 Disposal Considerations

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.

Section: 14 Transport Information

DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA	
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	- -	-	-	-	-
Transport hazard class	- -	-	-	-	-
Packing Group	- -	-	-	-	-
Environmental hazards	no no	no	no	no	
Additional Information	- -	-	-	-	

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section: 15 Regulatory Information

TSCA 8(b) inventory:	Listed.
U.S. Federal regulations	
Sara Title III	
SARA 302 (EHS):	None Listed.
SARA 311/312 (Acute):	None Listed.
SARA 313:	None Listed.
RCRA:	Not considered hazardous under RCRA.
California Prop 65:	None Listed.
Toxics in Packaging (CONEG):	In compliance.
Canada inventory (DSL):	All components are listed or exempted.
International regulations	
International lists:	
Australia inventory (AICS):	Listed or Exempt.
China inventory (IECSC):	Listed or Exempt.
Japan inventory:	Listed or Exempt.
Korea inventory:	Listed or Exempt.
Malaysia Inventory (EHS Register):	Not determined.
New Zealand Inventory (NZIoC):	Listed or Exempt.
National Fire Protection Association (U.S.A.)	
Flammability:	0
Health:	1
Instability/Reactivity:	0
Special:	0

Section: 16 Other Information

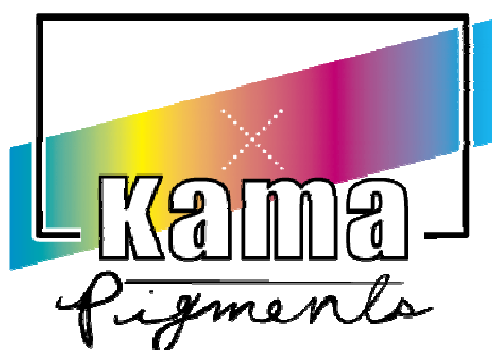
Reference: Manufacturer's material safety data sheet.
Prepared by: Kama pigments

Disclaimer:

Kama pigments, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

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.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Kama pigments makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Kama pigments' control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.



Last revision: 2023-11-30

