

Safety Data Sheets



Aqua-Dispersion Dinitroaniline Orange Po5

Product code: PD-100105

Department: aqua-dispersion pigments

C.A.S. : 3468-63-1

Section: 1 Identification

Product name	Dinitroaniline orange
Chemical family	C.I. Pigment Orange 5 in aqueous dispersion containing polyglycol.
Primary product use	Colourant preparation

Section: 2 Hazard Identification

Health effects of exposure	C.I. Pigment orange 5 : the fda has concluded, on the basis of extensive animal test data, that this pigment should be considered an animal carcinogen by ingestion. Has also been determined to cause mutagenic effects in tests with bacteria both with and without activation, liver effects have also been observed in laboratory tests with animals. Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. C.I. Pigment orange 5 has been reported to show a positive ames test and may thereby be characterized as an invitro mutagen. C.I. Pigment orange 5 is listed on the california proposition 65 list of chemicals known to the state to cause cancer or reproductive toxicity. May cause eye and skin irritation. May cause irritation of respiratory tract.
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Listed carcinogen	
IARC	No
NTP	No
OSHA	No
Other	Yes

HGS Label Elements



Signal Word

Danger

Precautionary Statements

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P314 Get medical advice/ attention if you feel unwell.
 P501 Dispose of contents/ container to an approved waste disposal plant

GHS Classification

specific target organ toxicity :-Category 2 (bone)
 -repeated exposure

Hazard statements

H373 May cause damage to organs (Bone) through prolonged or repeated exposure.

Section: 3 Composition / Information on Ingredients

Hazardous ingredients:

Component	CAS #	Concentration
C.I. Pigment Orange 5	3468-63-1	30 - 60 %
Aluminum hydroxide	21645-51-2	1-5%

Section: 4 First Aid Measures

After inhalation	Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/ attention. Never give anything by mouth to an unconscious person.
After contact with skin	Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.
After contact with eyes	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
After ingestion	If swallowed, DO NOT induce vomiting. Get immediate medical advice/ attention.
Advice to doctor / Treatment	None known.

Section: 5 Fire Fighting Measures

Flashpoint	not applicable
Lower explosion limit	not available
Upper explosion limit	not available
Self ignition	not tested.
Ignition temperature	not tested.
Extinguishing media	Water spray jet, Dry powder, Carbon dioxide (CO ₂), Alcohol-resistant foam, water jet
Hazardous combustion products	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO), Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)

Section: 6 Accidental Release Measures

Steps to be taken in case of spill or leak	Wear suitable protective equipment. Ensure adequate ventilation. Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using inert absorbent material (sand, sawdust) and collected into suitable containers. Wash spill area. Do not allow the product to enter sewers or waterways.
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Section: 7 Handling And Storage

Advice on safe handling	When used and handled appropriately no special measures are needed
Further info on storage conditions	Sensitive to frost. In case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

Section: 8 Exposure Control/Personal Protection

ACGIH INGREDIENTS	TLV TWA	OSHA STEL	PEL STEL	NIOSH PEL REL
Aluminum Hydroxide	10 mg / m ³			

Respiratory protection	Wear an approved respirator if vapours or mists are generated when handling or processing this product. Use appropriate filters. Do not exceed filters limitations.
Hand protection	Nitrile Gloves
Eye protection	Safety glasses with side-shields
Other protective equipment	Avoid skin contact. Wear suitable protective clothing.

Section: 9 Physical and Chemical Properties

Color	red orange
Odor	not specified
Odor limit	not available
pH	5.9 (20 °C) Determined in the undiluted form
Solubility in water	miscible
Solubility in fat	not tested.
Density	1.23 g/cm ³ (20 °C)
Melting point	not applicable
Boiling point	approx. 100 °C (1,013 hPa)
Vapor pressure	not tested.
Bulk density	not applicable
Relative vapor density	not available
Partitioning coefficient; octanol/water	not applicable
Viscosity / (dynamic)	490 mPa.s (23 °C)
Viscosity / (kinematic)	not tested.

Section: 10 Stability And Reactivity

Thermal decomposition	> 100°C with dehydration
Chemical stability	Stable
Conditions to avoid	not known
Hazardous decomposition products	When handled and stored appropriately, no dangerous decomposition products are known

Section: 11 Toxicological Information

Acute oral toxicity	LD50 > 2,000 mg/kg Method: 1999/45/EC
Acute inhalation toxicity	not significant
Acute dermal toxicity	not available
Skin irritation	No skin irritation Method: 1999/45/EC
Eye irritation	No eye irritation Method: 1999/45/EC
Sensitization	not available

Section: 12 Ecological Information

Biodegradation	This property is substance-specific and therefore cannot be given for the preparation.
Fish toxicity	not available
Daphnia toxicity	not available
Algae toxicity	not available
Bacteria toxicity	not available
Remarks	The product should not be allowed to enter drains, water courses or the soil.

Section: 13 Disposal Considerations

Waste disposal information	Waste may be incinerated or landfilled after solidification in approved sites. Follow local regulations.
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Section: 14 Transport Information

TDG	not restricted
IATA	not restricted
IMDG	not restricted

Section: 15 Regulatory Information

Registration status	
DSL	no
NDSL	no
	The product is not listed on the DSL
CEPA	
Listed as priority substance	no
Listed as toxic substance	no
NPRI	no
TSCA Status	All components of this product are listed on the TSCA Inventory.
FDA	This product is not registered with the FDA.
Proposition 65 (California)	This product contains a chemical known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Section: 16 Other Information

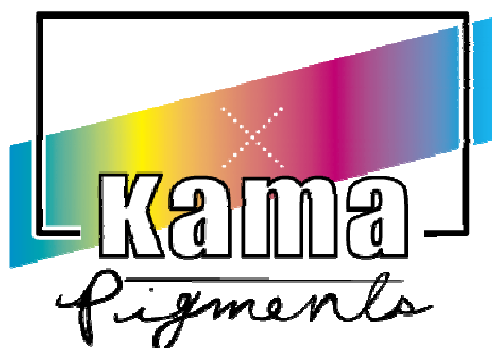
Reference	Manufacturer's material safety data sheet.
Prepared by	Kama pigments

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