

## Section 1. Identification

**Product number:** 2k Paint Magenta  
**Product use:** Surface Coating  
**Restrictions on use:** None known  
**Manufacture/Supplier:** AMAZONA PAINTS SAL  
**Address:** ZOUK MOSBEH  
  
**Telephone:** 00961 9 218656  
**Website:** www.amazonapaints.com

## Section 2. Hazards identification

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

**Hazard classification:**

**Physical hazards:** Flammable Liquids: Category 3

**Health hazards:** Causes Skin Irritation Category 2  
 Serious Eye Damage/Eye Irritation: Category 2A  
 Acute Aquatic Hazard: Category 1  
 Chronic Aquatic Hazard: Category 1

### GHS label elements

**Hazard pictograms:**



**Signal word:** Warning

**Hazard statements:** H226: Flammable liquid and vapor.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H400: Very toxic to aquatic life  
 H410: Very toxic to aquatic life with long lasting effects

**Precautionary statements:**

**Prevention:** P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground/bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242: Use only non-sparking tools.  
 P243: Take precautionary measures against static discharge.  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P370+P378: In case of fire; Use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.



P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363: Wash contaminated clothing before reuse.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get Medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P391: Collect spillage

**Storage:** P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P235: Keep cool.  
P405: Store locked up.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None known.

### Section 3. Composition / Information on Ingredients

Components	CAS#	Percent
Titanium dioxide*	13463-67-7	0-15
Silicon dioxide, amorphous*	7631-86-9	0-3
Carbon black*	1333-86-4	0-3
Acrylic polyol	none	5-15

### 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. Continue to rinse for at least 10 minutes. In case of irritation from airborne exposure, move to fresh air. Get medical attention promptly.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask of self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion:** Wash out mouth with water. Remove dentures if any. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in

recovery position and get medical attention immediately.

**Most important  
symptoms/effects,  
acute**

**Potential acute health  
effects**

<b>Eye contact:</b>	Causes serious eye irritation.
<b>Skin contact:</b>	Causes skin irritation.
<b>Inhalation:</b>	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
<b>Ingestion:</b>	Can cause central nervous system (CNS) depression. Irritating to mouth and stomach.

**Over-exposure  
signs/symptoms**

<b>Eye contact:</b>	Adverse symptoms may include the following: pain or irritation. Watering Redness
<b>Skin contact:</b>	Adverse symptoms may include the following: irritation redness
<b>Inhalation:</b>	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
<b>Ingestion</b>	Adverse symptoms may include the following: nausea or vomiting

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

<b>Notes to physician:</b>	Not available
<b>Specific treatments:</b>	Treat symptomatically and supportively.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 5. Fire-fighting measures

**Suitable extinguishing media:** Use dry chemical, carbon dioxide, water spray (fog) or foam.



**Unsuitable extinguishing media:**

Do not use water jet.

**Special hazards arising from the substance or mixture:**

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products:**

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, smoke, oxides of nitrogen.

**Special protective actions for fire-fighters:**

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with full face piece operated in the positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:**

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 material for containment and cleaning up:**

Eliminate sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only non-combustible material for clean-up. Recover by pumping (use explosion proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material is able to do so safely. Do not touch or walk through spilled material. Collect spilled materials for disposal. Wear appropriate personal protective equipment (see Section 8 Exposure controls/personal protection). Evacuate unnecessary personnel. Do not apply water to the leak.

## Section 7. Handling and storage

**Precautions for safe handling:**

Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Persons with a history of skin sensitization should not be employed in any process in which this product is



used. Do not swallow. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical equipment. Empty containers retain product residue and can be hazardous. Do not reuse container. Ground and bond containers when transferring material. 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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 controls / personal protection

**Control parameters**

**Occupational exposure limits**

**U.S. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Titanium dioxide	TWA	10 mg/m <sup>3</sup>	

**U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Titanium dioxide	PEL	15mg/m <sup>3</sup>	Total dust

**U.S. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
Silicon dioxide	TWA	0.8 mg/m <sup>3</sup> 20mppcf	

**Appropriate engineering controls:**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**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

**Eye/face protection:**

reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

**Skinprotection****Hand protection:**

Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

**Body protection: Other**

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.

**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:**

Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicated this is necessary. 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.

**Section 9. Physical & Chemical Properties****Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Opaque

**Odor:** Pungent

**Odor threshold:** Not available

**pH:** Not available

**Melting point/freezing point:** Not available

**Initial boiling point and boiling range:** 139.3°C (282.7°F)

**Flash point:** 24°C (Tag closed cup)

**Evaporation rate:** Not available

**Upper/lower flammability or explosive limits:** Not available

**Vapor pressure:** Not available

**Vapor density:** 1 Air = 1

**Relative density:** 1.7791-1.1.8992

**Solubility(ies):** Insoluble in the following materials: cold water





Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
VOC (mixed less water & exempt compounds):	Less than 5 grams/liter
Other information:	No additional information

## Section 10. Chemical stability & reactivity information

Reactivity:	None known.
Chemical stability:	Stable.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	All possible sources of ignition (heat, sparks, flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials:	Strong oxidizing agents. Strong acids. Strong alkalis.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Conclusion/summary:	Not available
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Oral:	Not available
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Dermal:	Not available
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Inhalation:	Not available
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#### Irritation/Corrosion

Skin: Eyes:	Not available
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Respiratory:	Not available
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<u>Sensitization</u>	Not available
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**Skin: Respiratory:**

Not available

**Mutagenicity**

Not available

**Conclusion/Summary:**

**Carcinogenicity**

Not available

**Conclusion/Summary:**

Product contains less than 0.1% styrene CAS 100-42-5.

Carcinogenic categories for styrene:

IRAC: 2B

NTP: R

OSHA: None

Titanium dioxide: In lifetime inhalation studies rats were exposed for 2 years to respectively 10, 50 and 250 mg/m<sup>3</sup> of respirable TiO<sub>2</sub>. Slight lung fibrosis was observed at 50 and 250 mg/m<sup>3</sup> levels. Microscopic lung tumors were also observed in 13 percent of the rats exposed to 250 mg/m<sup>3</sup>, an exposure level that caused lung overloading and impairment of rat lungs clearance mechanisms. In further studies, these tumors were found to occur only under particle overload conditions in a uniquely sensitive species, the rat, and have little or no relevance for humans. The pulmonary inflammatory response to TiO<sub>2</sub> particles exposure was also found to be much more severe in rats than in other rodent species. In February 2006, IARC has re-evaluated Titanium dioxide as pertaining to Group 2B: "possibly carcinogenic to humans", based upon inadequate evidence in humans and sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. IARC evaluation guidelines consider the generation of tumors, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence.

The conclusions of several epidemiology studies on more than 20000 TiO<sub>2</sub> industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO<sub>2</sub> dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO<sub>2</sub> dust. Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Carbon black:

**ANIMAL TOXICITY:**

Rat, oral, duration 2 years  
Effect: no tumors.

Mouse, oral, duration 2 years  
Effect: no tumors.

Rat, inhalation, duration 2 years  
Target organ: lungs.  
Effect: inflammation, fibrosis, tumors.

Note: Tumors in the rat lung are considered to be related to the "lung overload" rather than to a specific chemical effect of carbon black itself in the lung. These effects in rats have been reported in many studies on other poorly soluble inorganic particles and appear to be rat specific (ILSI, 2000). Tumors have not been observed in other species (i.e., mouse and hamster) for carbon black or other poorly soluble particles under similar circumstances and study conditions.



#### MORTALITY STUDIES (HUMAN DATA):

A study on carbon black production workers in the UK (Sorahan, 2001) found an increased risk of lung cancer in two of the five plants studied; however, the increase was not related to the dose of carbon black. Thus, the authors did not consider the increased risk in lung cancer to be due to carbon black exposure. A German study of carbon black workers at one plant (Morfeld, 2006; Buechte, 2006) found a similar increase in lung cancer risk but, like the Sorahan, 2001 (UK study), found no association with carbon black exposure. A large US study of 18 plants showed a reduction in lung cancer risk in carbon black production workers (Dell, 2006). Based upon these studies, the February 2006 Working Group at the International Agency for Research on Cancer (IARC) concluded that the human evidence for carcinogenicity was inadequate (IARC, 2010).

Since the IARC evaluation of carbon black, Sorahan and Harrington (2007) have re-analyzed the UK study data using an alternative exposure hypothesis and found a positive association with carbon black exposure in two of the five plants. The same exposure hypothesis was applied by Morfeld and McCunney (2009) to the German cohort; in contrast, they found no association between carbon black exposure and lung cancer risk and, thus, no support for the alternative exposure hypothesis used by Sorahan and Harrington.

Over, as a result of these detailed investigations, no causative link between carbon black exposure and cancer risk in humans has been demonstrated.

#### IARC CANCER CLASSIFICATION:

In 2006 IARC re-affirmed its 1995 finding that there is "inadequate evidence" from human health studies to assess whether carbon black causes cancer in humans. IARC concluded that there is "sufficient evidence" in experimental animal studies for the carcinogenicity of carbon black. IARC's overall evaluation is that carbon black is "possibly carcinogenic to humans (Group 2B)". This conclusion was based on IARC's guidelines, which generally require such a classification if one species exhibits carcinogenicity in two or more animal studies (IARC, 2010).

Solvent extracts of carbon black were used in one study of rats in which skin tumors were found after dermal application and several studies of mice in which sarcomas were found following subcutaneous injection. IARC concluded that there was "sufficient evidence" that carbon black extracts can cause cancer in animals (Group 2B).

#### ACGIH CANCER CLASSIFICATION:

Confirmed Animal Carcinogen with Unknown Relevance to Humans (Category A3 Carcinogen).

#### **Reproductivetoxicity**

**Conclusion/Summary:** Not available

**Specific target organ toxicity (single exposure):** Not available

**Specific target organ toxicity (repeated exposure):** Not available



**Aspiration hazard:** Not available

**Information on likely routes of exposure:** Routes of entry anticipated: Oral, Dermal, Inhalation.

**Potential acute health effects:**

**Eye contact:** Causes serious eye irritation.

**Inhalation:** Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

**Skin contact:** Causes skin irritation.

**Ingestion:** Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

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

**Eye contact:** Adverse symptoms may include pain or irritation, watering, redness.

**Inhalation:** Adverse symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.

**Skin contact:** Adverse symptoms may include irritation, redness.

**Ingestion:** Adverse symptoms may include nausea or vomiting.

**Potential chronic health effects:** Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage.

## Section 12. Ecological information

**Toxicity**

**Acute toxicity**

**Fish**

**Product:** Not available

**Specified substances:**

**Zinc phosphate** LC-50 (96 h): less than or equal to 0.1 mg/l

**Aquatic invertebrates**

**Product:** Not available

**Chronic toxicity**

**Fish**

**Product:** Not available

**Aquatic invertebrates**

**Product:** Not available

**Toxicity to aquatic plants**

**Product:** Not available



Specified substances: Not available

**Persistence and degradability**

Biodegradation Product: Not available

Specified substances: Not available

Biological Oxygen Demand Product: Not available

Specified substances: Not available

Chemical Oxygen Demand Product: Not available

Specified substances: Not available

BOD/COD ratio: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment: Not available

Other adverse effects: Not available

**Section 13. Disposal considerations**

**Disposal methods:** Dispose of waste in accordance with all local, state and federal regulations.

**Section 14. Transport information**

**DOT**

**Basic shipping requirements:**

UN number	UN1263
Proper shipping name	Paint
Hazard class	Flammable Liquid
Labels required	3

**Additional information:**

Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

**IATA**

**Basic shipping requirements:**

UN Number	1263
Proper shipping name	Paint
Hazard class	3
Packing group	III

**Section 15. Regulatory information**

**US federal regulations**

**OSHA:** This product is hazardous according to OSHA 29 CFR 1910.1200

<b>SARA Title III Section 311/3 Hazard categories:</b>	Immediate (acute) health hazard
<b>SARA Title III Section 302 Extremely hazardous substances:</b>	Delayed (chronic) health hazard
	Fire hazard
	None



## Section 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA

**HMIS® ratings** Health: 2  
Flammability: 2  
Physical hazard: 1

**NFPA ratings** Health: 2  
Flammability: 2  
Instability: 1

### Disclaimer

**Issue date** HMIS® is a registered trade and service mark of the NPCA

The information in the sheet was written based on the best knowledge and experience currently available.

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