SAFTY DATA SHEET

1. Product and company identification

a) Product Name: PAINT MARKER 5 COLORS

b) Recommended use of the chemical and restrictions on use: Dispersing Agent

c) Manufacturer/Supplier/Distributor Information

- Name: Hainenko Limited
- Address: 284 Chase Road, Southgate, London, N14 6HF
- Emergency phone number: 0044 (0) 20 8882 8734

TEL : 0044 (0) 20 8882 8734

2. Hazards identification

Classification of the substance or mixture
Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Asp. Tox. 1; H304
Flam. Liq. 2; H225
Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.
2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

GHS 02

GHS 08

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water spray, extinguishing powder, foam or CO2

for extinction.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local and national regulations.

3. Composition/Information on ingredients

Chemical Name	Ohter Name	CAS No.	Content (%)
TITANIUM DIOXIDE		13463-67-7	0-30
HYDROCARBON		64742-88-7	20
XYLENE		1330-20-7	20
ETHYL ESTER		91031-48-0	10
KETONE RESIN		25054-06-2	10
PIGMENT BLACK 7		1333-86-4	0-10
PIGMENT YELLOW 14		5468-75-7	0-10
PIGMENT RED 122		980-26-7	0-10
PIGMENT BLUE 15:3		147-14-8	0-10

4. First aid measures

a) Eye contact:

Wash eyes immediately with large amounts of water or normal saline.
Occasionally lifting upper and lower lids, until no evidence of chemical remains.
Get medical attention immediately.

b) Skin contact:

Remove contaminated clothing. jewelry. and shoes immediately.
Wash with soap or mild detergent and large amounts of water until on evidence of chemical remains (at least 15-20 minutes). Get medical attention. if needed.

c) Inhalation:

Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.
Get medical attention.

d) Ingestion:

If vomiting occurs, keep head lower than hips to help prevent aspiration.
Get medical attention. if needed.

e) Indication of immediate medical attention and notes for physician:

5. Fire-Fighting measures

a) Suitable (and unsuitable) extinguishing media:

Regular dry chemical. carbon dioxide, water, regular foam

Large fires: Use regular foam or flood with fine water spray.

b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products):

c) Special protective equipment and precautions for fire-fighters:

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

Determine the need to evacuate or isolate the area according to your emergency plan. Use water spray to keep fire exposed containers cool.

6. Accidental release measures

a) Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Follow safe handling advice and personal protective equipment recommendations.

b) Environmental precautions

Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or oil barriers).

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

c) Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropiate container.

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to release and disposal of this material, as well as those materials and items employed in the cleanup of release. You will need to determine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. Handling and storage

a) Technical measures

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

b) Local/Total ventilation

Use only with adequate ventilation.

c) Advice on safe handling

Do not get on skin or clothing.
Avoid inhalation of vapour or mist.
Do not swallow.
Do not get in eyes.
Handle in accordance with good industrial hygiene and safty practice.
Take care to prevent spills, waste and minimize release to the environment.

8. Exposure controls & personal protection

a) Control parameters (e.g. occupational exposure limit values, biological limit values):
Threr are no components with workplace exposure limits.

b) Appropriate engineering controls:

c) Personal protective equipment

- Respiratory protection:

Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any chemical cartridge respirator with organic vapor cartridge(s).

Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s).

Any air-purifying respirator with a full facepiece and an organic vapor canister.

For Unknown Concentrations or Immediately Dangerous to Life or Health- Any supplied - air respirator with full facepiece and operated in a ressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

- Eye protection:

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

- Hands protection: Wear appropriate chemical resistant gloves.
- Body protection:

Wear appropriate chemical resistant clothing.

9. Physical and chemical properties

a) Appearance (physical state, color etc): white,yellow,red,black,blue,black liquid (at 25℃)
b) Odour: xylene Oder
c) Odour threshold:
d) pH: 4 - 5 (at 10% solution)
e) Meting point/freezing point: No data available
f) Initial boiling point and boiling range: ≧ 60℃ at 1.013 hPa
g) Flashing point : ≧ 60℃ at 1.013 hPa

h) Evaporation rate: ≧ 60℃ at 1.013 hPa

i) Flammability (solid, gas): ≧ 60℃ at 1.013 hPa

j) Upper/lower flammability or explosive limits:

k) Vapor pressure: No data available

l) Solubility: Water no soluble

m) Vapor density: No data available

n) Relative density: 1.24 ± 0.02 (at 25℃)

o) Partition coefficient: n-octanol/water: No data available

p) Auto-ignition temperature: No data available

q) Decomposition temperature: No data available

r) Viscosity: Under No data available

s) Formula mass: No data available

10. Stability and reactivity

a) Chemical stability and possibility of hazardous reactions:

Stable at normal temperature and pressure

b) Conditions to avoid (e.g. static discharge, shock or vibration, etc):

Avoid heat, flames, sparks and other sources of ignition

Avoid contact with incompatible materials

c) Incompatible materials:

Oxidizing materials, combustible materials

d) Hazardous decomposition products:

Thermal decomposition products : oxides of carbon, nitrogen

11. Toxicological information

a) Information on the likely routes of exposure:

Inhalation

Skin contact

Ingestion

Eye contact

b) Health hazards information

- Acute toxic: Not Classified based on available information.
- Skin corrosive/irritant: Not Classified based on available information.
- Serious eye damage/eye irritation: Not Classified based on available information.
- Respiratory sensitization: Not Classified based on available information.
- Skin sensitization: Not Classified based on available information.
- Carcinogenicity: Not Classified based on available information.
- Germ Cell Mutagenicity : Not Classified based on available information.
- Reproductive toxicity: Not Classified based on available information.

- Specific target organ toxicity (single exposure): Not Classified based on available information.
- Specific target organ toxicity (repeated exposure): Not Classified based on available information.
- Aspiration hazard: Not Classified based on available information.

12. Ecological information

a) Aquatic and terrestrial ecotoxicity: No data available
b) Persistence and degradability: No data available
c) Bioaccumulative potential: No data available
d) Mobility in soil: No data available
e) Other adverse effects: No data available

13. Disposal considerations

a) Disposal method:
Dispose in accordance with all applicable regulations
b) Disposal precaution (including the disposal method of contaminated container and packaging):

14. Transport information

a) UN number: No classification assigned
b) UN proper shipping name:
c) Transport hazard class: No data available
d) Packing group (if applicable): No data available
e) Marin pollution (yes/no): No data available
f) Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:

15. Regulatory information

U.S. REGULATIONS:
CERCLA SECTION 103 (40CFR302.4) : N
SARA SECTION 302 (40CFR355.30) : N
SARA SECTION 304 (40CFR355.40) : N
SARA HAZARD CATAGORIES, SARA SECTION 311/312 (40CFR370.21) :
ACUTE : N
CHRONIC : N
FIRE : N
REACTIVE : N
SUDDEN RELEASE : N

SARA SECTION 313 (40CFR372.65) : N

OSHA SECTION (29CFR1910.119) : N

STATE REGULATIONS :

California Proposition 65 : N

EUROPEAN REGULATIONS :

EC NUMBER : Not assigned

16. Other information

a) Information source and references:

Korea dangerous material inventory management system (http://hazmat.nema.go.kr)

National Chemical Information System (http://ncis.nier.go.kr)

b) Issuing date: 2020-05-27

c) Revision number and date: 1, 2020-05-27

d) others:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the its publication. The information is designed only as a guidance for safe handling, use, processing , stroage, transportation, disposal and release and shall not be considered a warranty or quality specification of any tyle. The information provided relates only to the specific material identified at the top of this SDS and any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and stroage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.