

<Material Safety Data Sheet>

Too Marker Products Inc.
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Product Name:	atyouSpica pen (water based pigment ink)	
Component:	Mixed product of followings:	
	Glass flakes coated with Silver	
	Borosilicate Glass	65997-17-3
	Silver	7440-22-4
	Oxidation Tin	18282-10-5
	Ethylene Glycol	107-21-1
	Isopropylene Glycol	67-63-0
	Diethylene glycol monobutyl ether	112-34-5
	Diethylene Glycol	111-46-6
	Urea	57-13-6
	Antifungal Agent	26172-55-4
	Glycerin	56-81-5
	Activator	25086-15-1
	Water	7732-18-5
	Pigment:	
	Black	1333-86-4
	Blue	147-14-8
	Red	57301-22-1
	Yellow	5567-15-7
	Orange	6505-28-8
	Pink	1047-16-1
	Violet	6358-30-1
	Green	1328-53-6

Physical and Chemical Characteristics

Classification:	Liquid
Boiling Point:	Not known
Vapor Pressure:	Not known
Vapor Density:	Not known
Solubility in Water:	Soluble
	Glass flakes coated with Titanium are non-soluble
Specific Gravity:	Not known
Melting Point:	Not Applicable
Evaporation Rate:	Not known
Odor:	Very little
Appearance:	Liquid Ink

Fire and Explosion Hazard Data

Flash Point:	Non-flammable
Lower Flammable Limit:	
Upper Flammable Limit:	
Fire extinguishing media:	Powder, carbonic acid gas, or sands
Special Fire Fighting Procedure:	Block out fire source and extinguish with extinguishing media
Unusual Fire & Explosion Hazards:	None

Reactivity Data

Stability:	Stable in normal condition
Conditions to Avoid:	Not known
Incompatibility (Avoid):	Not known
Hazardous Decomposition:	No
Hazardous Polymerization:	No
Conditions to Avoid:	Not known

Health Hazard Data**Physical Hazards:**

No

Health Hazards:

Do not swallow. No warranty is given.

In case of direct contact with glass flakes it rarely causes

temporal itchiness on the skin, eyes, throat, nose.

First Aid:**Eye Contact:** Flush the eye with fresh water and seek ophthalmologist assistance immediately in the event of pain.**Swallowed:** Give a plenty of water or salt water, put fingers down the throat to induce vomit, and seek medical help immediately. Do not give an unconscious victim anything orally.**Skin Contact:** Wash with large quantities of water and soap.

Precaution for Safe Handling and Use**In Case of Spill:**

When working, the protective equipment should be worn without fail.

Do not work in leeward.

In case of a little amount

The leakage liquid is absorbed by sawdust, the cotton waste, and sand, etc. and collected.

In case of a large amount

Stop the outflow with earth and sand etc. and collect it as much as possible.

Waste Disposal Method

Dispose in accordance with the regulations of country concerned

for water based pigment ink.

Precaution

None Known.

Other Precautions

None Known.

Control Measures**Respiratory Protection:**

None.

Local Exhaust:

Not specifically suggested.

Special Local Exhaust:

Not specifically suggested.

Mechanical Exhaust:

Not specifically suggested.

Other Mech. Exhaust:

Not specifically suggested.

Protective Gloves:

Yes to avoid skin contact.

Eye Protection:

Wear protective spectacles

Other Protective Clothing or**Equipment:**

Mask and rubber shoes, etc.

Work/Hygienic Practices:

Do not spray or airbrush without adequate ventilation.

Avoid inhalation of mist or spray.

Handling and Storage:**Handling:** Avoid direct sunlight and seal it up.**Storage:** Store in accordance with the regulations of country concerned.

Keep in the cool dark place.

Protection from Exposure:**Accommodation/equipment measures:** Handle the material in a well-ventilated place.**Protective gear:** Rubber gloves and chemical goggles or face shield for normal condition. Wear rubber gloves, rubber apron, and safety shoes, protective goggles, and gas mask for concentrated area.

Keep it away from children.

Disposal:

Recover free liquid and dispose in accordance with the regulations of country concerned.

Transportation:

Follow the directions given in Handling and Storage section.

Confirm no container leakage and make sure to prevent the loading collapse of cargo piles by falls and damage in transportation.

Inquiry, References:

The above statements were based on currently available data and information. Please note that this does not ensure the product characteristics in every possible respect. Strict observance of current laws and regulations is individual responsibility.