



# 惠州市中之星色彩科技有限公司

HUIZHOU ZHONGZHIXING SECAI SICENCE AND TECHNOLOGY CO.LTD

电话: 0752-777 8830 传真: 0752-777 8831

广东省惠州市惠城区马安镇新湖工业区鸿泰源工业园D栋1楼

revision date: September1, 2022

valid until: August31, 2023

## Material safety performance table(MSDS)

part one:essential information			
Chinese names ofchemicals:	Aqueous acrylic copolymer mixture/organic pigment mixture		
Product name:	water-based ink	water-based ink:	Water-based ink
Molecular formula:	mixture	CASnumber:	Not Applicable
company name:	HUIZHOU ZHONGZHIXING SECAI SICENCE AND TECHNOLOGY CO.LTD		
English name:	HUIZHOU ZHONGZHIXING SECAI SICENCE AND TECHNOLOGY CO.LTD		
company address:	1F, Building D, Hongtaiyuan Industrial Park, Qunliao Road, Ma 'an Town, Huicheng District, Huizhou City		
address in English:	1F, Building D, Hongtaiyuan Industrial Park, Qunliao Road, Ma 'an Town, Huicheng District, Huizhou City		
phone number:	86-752-7778830		
Fax number:	86-752-7778831	Network address:	www.scolorink.com
part two:Major components and characters			
Main ingredients	Component name	CASnumber	content
	Waterborne acrylic copolymer	9010-77-9	40-55%
	Pigment yellow	4106-67-6	8-20%
	Pigment Red	5281-04-9	
	Pigment Blue	147- 14-8	
	Pigment black	1333-86-4	
	Pigment Green	1328-53-6	
	Pigment white	13463-67-7	
	PE liquid wax	68441- 17-8	1-5%
	defoamingagent	inapplicability	0.1-0.5%
	water	7732- 18-5	5-20%
Appearance and performance:	Colored liquid, Slight smell		
part three:Danger information			
invasion route:	Inhalation, ingestion, transdermal absorption		



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inhalation:	Trace amounts of residual gas in poorly ventilated areas, It may irritate the eyes, nasal mucosa, respiratory tract, etc., causing headaches and nausea.	
skin contact:	Prolonged exposure can cause local erythema	
eye contact:	Direct contact can cause irritation to the eyes	
Chronic effects from repeated exposure: :	According to the information available, no harmful effects have been shown	
Other effects that may be caused by excessive exposure:	Available data show that excessive exposure does not cause other harmful effects.	
<b>part four: first aid measures</b>		
skin contact:	Remove contaminated clothing, clean skin with soap and water, and wash clothes before wearing	
eye contact:	Lift eyelids and rinse with running water or saline. Seek medical attention immediately	
swallow:	Try to vomit a foreign object and seek immediate medical treatment	
inhalation:	Move to fresh air, still have discomfort, seek medical treatment	
<b>part five: Flammability and fire protection</b>		
inflammability:	uninflammability	
Fire extinguishing media:	Water, foam or dry powder extinguishing agent	
method of extinguishing:	<ol style="list-style-type: none"> <li>1. In general, the usual fire extinguishing methods are used.</li> <li>2. Spray mist cools the temperature, below the flash point.</li> <li>3. Remove the container from the fire if it is safe</li> <li>4. For large fires in the storage area, use unmanned water mist control frame or automatic swinging fire water sight. evacuate the fire if possible and allow it to burn out</li> <li>5. keep away from storage tank ends.</li> <li>6. Evacuate immediately when the relief valve of the tank has sounded or is discolored by fire. move the container from the fire to an open area. Spray water to keep the fire container cool until the fire is over, If the container in the fire site has discolored or generated sound from the safety relief device, evacuate immediately.</li> </ol>	
Special burning and explosion hazards:	the temperature exceeds the boiling point of water, the material will not burn, but will splash, As the water evaporates, the solid burns to produce carbon dioxide, No explosion risk.	
Special protective equipment for fire fighters:	Firefighters must wear them Class A airtight chemical protective clothing and air breathing apparatus (Add a flashe-resistant aluminum covering if necessary) .	



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## part six:Leakage emergency treatment

Personal precautions: Wear eye protection, gloves and clothing. Environmental pollution prevention: Collect polluted water or fire water, and do not discharge it into drainage ditches, surface water systems, and underground water systems. Cleaning method: Large amount: Remove product with pump.

Residue: Use suitable absorbent materials for absorption and dispose of absorbed materials in accordance with regulations.

## part seven:Operation and storage

operation cautions:	Avoid contact with eyes, skin or clothing. Do not swallow. Use with adequate ventilation.
Storage precautions:	Keep the container sealed when not in use and place in a well-ventilated environment away from direct sunlight

## part eight:Exposure control and personal protective measures

Exposure limit:	No limit
personal protective measures:	Generally, no special protection is required, and gloves and eye masks can be worn to protect hands and eyes if necessary

## part nine:physicochemical property

state:	liquid	appearance:	coloured
smell:	Slight smell	flash point:	>200°C
pH value (25°C) :	8.0-9.5	density (25°C) :	1.0- 1.2g/cm <sub>3</sub>
autoignition temperature:	inapplicable	Solubility in water:	Dilutable with water
boiling point:	760mmHg~100 °C	solidifying point:	0°C
vapour tension:	@20°C Same as water	flammability:	non inflammable
main application:	Suitable for flexographic paper, non-woven fabric, woven fabric and PE film printing applications.		

## part ten:Stability and reactivity

stability:	stabilization	Situation to be avoided:	sunniness
contraindication:	Organic solvent, strong oxidant, strong reducing agent, strong acid		
Polymerization hazard:	non polymerization		
decomposition product:	Carbon monoxide and carbon dioxide		

## part eleven:Toxicological information

acute toxicity:	Toxicological studies have shown that acute toxicity of similar substances is very low
Subacute or chronic toxicity:	Toxicological studies have shown that acute toxicity of similar substances is very low.



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Other toxicity:	Similar substances have very low toxicity
<b>part twelve:environmental data</b>	
The polymer is not biodegradable, does not inhibit the bacteria in wastewater treatment, and After treatment, the waste water will not cause harm to the fish and organisms in the water	
<b>part thirteen:Waste disposal</b>	
Waste disposal method:	Recycling, incineration or landfill using wastewater treatment systems
<b>part fourteen:transport information</b>	
Rules for dangerous carriage by land and rail, sea: unregulated, non-dangerous goods. International Air Transport Association: Unregulated, non-dangerous goods.	
<b>part fifteen:Regulatory information</b>	
《Regulations on the safety administration of hazardous chemicals》 (Decree No. 344 of The State Council) 《List of dangerous goods》 (GB12268-2012) 《classification and code of dangerous goods》 (GB6944-2012) 《Regulations on the preparation of safety technical specifications for hazardous chemicals》 (GB16483-2008)	
<b>part sixteen:other information</b>	
CAS number: CAS is Chemical Abstract Service 。 CAS number is the search service number of the American Chemical Abstracts Registry for chemical substances.。 This number is the most commonly used number to retrieve information about chemical substances.	