

87365-XXXX

Safety Data Sheet (SDS)

Yiwu Thousand Shores E-business Co.,LTD.

Prepared For: 9th Floor, Building NO.3, Lugang E-commerce Town, 315 Hongyun "Road, Chengxi

Street, Yiwu City, Zhejiang Province, China

Art Markers & Marker Ink **Product Name:**

Oahu-01, Honolulu-02, Honolulu B-02, Molokai-03, OH-INK-01 Model:

Client Reference Information:

481 colors

Trade: Ohuhu

Shenzhen TCT Testing Technology Co., Ltd.

Prepared By: 2101,2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Street, Bao'an

District, Shenzhen

No.: TCT220610W005

Checked by

Justin

Approved by

Ryan Zhang Technical Manager

Shenzhen TCT Testing Technology Co., Ltd.



No.: TCT220610W005 Date: Jun. 15, 2022 Page No: 1/13

1 Identification of the substance/mixture and of the company/undertaking

Product identifier Product Name Art Markers & Marker Ink Cat No. Not applicable CAS No. Not applicable EC No. Not applicable **Molecular Formula** Not applicable **REACH Registration** Number Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses Please consult manufacturer. Uses advised against Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Yiwu Thousand Shores E-business Co.,LTD.
Address of the company	9th Floor, Building NO.3, Lugang E-commerce Town, 315 Hongyun "Road, Chengxi Street, Yiwu City, Zhejiang Province, China
Post code	
Telephone number	13717166384
Fax number	
E-mail address	

Emergency phone number

Emergency phor numb	1e
numb	er

2 Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008

Sensitization - Skin	Category 1		
Specific Target Organ Toxicity (Single Exposure)	Category 3		
Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard	Category 3		

Label elements

Hazard pictograms



Shenzhen TCT Testing Technology Co., Ltd.



No.: TCT220610W005	Date: Jun. 15, 2022		Page No: 2/13	
Signal word	Warning			_
Hazard statements				
H317	May cause an allergic skin reaction		K	
H336	May cause drowsiness or dizziness			
H412	Harmful to aquatic life with long lasting eff	ects		

| Precautionary statements

Prevention

P261	Avoid breathing gas/mist/vapour/spray.
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

P312	Call a POISON CENTRE/ doctor/ if you feel unwell.	
P321	Specific treatment (see related instructions on this label).	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.		
P362+P364 Take off contaminated clothing and wash it before reuse.		

Storage

P405	Store locked up.	('C')
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	

Disposal

P501	Dispose of contents/container international regulations.	in accordance	with local/regional/national/
F 301	international regulations.		_

Other hazards

Not applicable

3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentr ation (weight percent, %)
Ethanol	64-17-5	200-578-6	603-002-00-5	Flammable Liquids ,	55.5~85

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No: 3/13

10 101220010000		10, 202	- -	Category 2 , H225	, 10
1-methoxypropan -2-ol	107-98-2	203-539-1	603-064-00-3	Flammable Liquids , Category 3 , H226 ; Specific Target Organ Toxicity (Single Exposure) , Category 3 , H336	10~25
Rosin	8050-09-7	232-475-7	650-015-00-7	Sensitization – Skin , Category 1 , H317	5~10
2-[7-(diethylamin o)-2-oxo-2H-1-be nzopyran-3-yl]-1, 3-dimethyl-1H-be nzimidazolium chloride	29556-33-0	249-694-9	<u>.</u>	Acute Toxicity — Oral , Category 4 , H302 ; Hazardous To The Aquatic Environment — Long-Term (Chronic) Hazard , Category 2 , H411	0~9.5
C.I.Basic Yellow 28	54060-92-3	258-946-7		Acute Toxicity – Oral- Category 3 H301; Acute toxicity, dermal- Category 4,H312;Serious eye damage/eye irritation- Category 1,H318 Acute Toxicity – Oral, Category 4, H302; Hazardous to the aquatic environment, acute hazard- Category 1,H400; Hazardous to the aquatic environment, long-term hazard- Category 1,	0~4.6
C.I. Basic Red 1	989-38-8	213-584-9)	H410 Serious eye damage/eye irritation- Category 1,H318 Acute Toxicity — Oral , Category 4 , H302 ;	0~5
C.I.Solvent Blue 136	359630-27-6	414-110-5		Serious eye damage/eye irritation- Category 1,H318 Hazardous to the aquatic environment, acute hazard- Category 1,H400; Hazardous to the aquatic environment, long-term hazard- Category 1, H410	0~3.6
C.I.Solvent Blue 70	12237-24-0	602-674-7	-	Long-Term (Chronic) Hazard , Category 3 , H412	0~5.6
C.I.Solvent Black 27	12237-22-8	602-672-6		Sensitization – Skin , Category 1 , H317 ; Reproductive toxicity-	0~8.8

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005	Date: Jun. 15, 2022	Page No: 4/13
		Category 1A,H360;
		Specific target organ
		toxicity, repeated
(201)		exposure- Category 2,
		H373

Remark: Only one color additive, C.L.Basic Yellow 40, methyl sulfate (29556-33-0), is selected from the product components to participate in the evaluation. Other color additives can refer to this evaluation.

4 First aid measures

Description of first aid measures

ς.	•	
Eye contact Skin contact		Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
		First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
		Remove contaminated clothes. Rinse and then wash skin with water and soap.
		Rinse mouth. Refer for medical attention.
		Fresh air , rest.
		Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Firefighting measures

| Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

- 1 Development of hazardous combustion gases or vapor possible in the event of fire.
- 2 May expansion or decompose explosively when heated or involved in fire.

Advice for firefighters

- As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Accidental release measures



No.: TCT220610W005

Safety Data Sheet Regulation (EC) No 1907/2006& (EU) No 2015/830

Page No: 5/13

Personal precautions, protective equipment and emergency procedures Use personal protective equipment, do not breathe gas/mist/vapour/spray. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static 2 3 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Methods and materials for containment and cleaning up 1 Cut off the source of the leak as much as possible. Keep leaks in a ventilated place. 2 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a 3 spill by bunding. 4 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and 5 place in container. 7 Handling and storage | Precautions for handling Protective measures 1 Handling is performed in a well ventilated place. 2 Wear suitable protective equipment. 3 Avoid contact with skin and eyes. Measures to prevent fire 1 Keep away from heat/sparks/open flames/ hot surfaces. Measures to prevent aerosol and dust generation

Date: Jun. 15, 2022

Conditions for safe storage, including any incompatibilities

1 Keep containers tightly closed.

Advice on general occupational hygiene

2 Keep containers in a dry, cool and well-ventilated place.

Wash hands and face after using of the substances. Replace the contaminated clothing immediately.

- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

| Specific end uses

1 Not applicable.

1 In addition to use mentioned in the first parts, unforeseen other specific end uses.

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No: 6/13

8 Exposure controls/personal protection

| Control parameters

◆ Occupational Exposure limit values

C	Country (Doni	Limit value	e - Eight hours	Limit value	- Short term
Component	Country/Region	ppm	mg/m³	ppm	mg/m³
	USA - OSHA	1000	1900	-	-
	South Korea	1000	1900	(3) -	-(,c())
Ethanol	Ireland		-	1000	
64-17-5	Germany (AGS)	500	960	1000	1920
	Denmark	1000	1900	2000	3800
	Australia	1000	1880	-	-
	USA - NIOSH	100	360	150	540
	South Korea	100	360	150	540
1-methoxypropan-2-ol	Ireland	100	375	150	568
107-98-2	Germany (AGS)	100	370	200	740
	Denmark	50	185	100	370
	Australia	100	369	150	553
Rosin 8050-09-7	New Zealand	-	-	-	-
	Latvia	(6)	4	(6) -	-(0)
	Canada - Québec	-	0.1	-	_
	Canada - Ontario	-		-	_

◆ Biological limit values

Biological limit values No relevant regulations

Monitoring methods

- EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 300 series standard Determination of toxic substances in workplace air.

Derived No effect level(DNEL)

			DNEL for Workers			
Component	Route of exposure	Acute effects(local)	Acute effects(syste mic)	Chronic effects(local)	Chronic effects(syste mic)	
Ethanol	Inhala on	No data available	No data available	No data available	950 mg/m3	
64-17-5	Oral	No data	No data	No data	No data	

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No: 7/13

		available	available	available	available
	Dermal	No data available	No data available	No data available	No data available
1 methoverprenan	Inhala on	No data available	No data available	No data available	369 mg/m3
1-methoxypropan - -2-ol 107-98-2 -	Oral	No data available	No data available	No data available	No data available
107-98-2	Dermal	No data available	No data available	No data available	No data available
	Inhala on	No data available	No data available	No data available	117 mg/m3
Rosin 8050-09-7	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
2-[7-(diethylamin o)-2-oxo-2H-1-be	Inhala on	No data available	No data available	No data available	No data available
nzopyran-3-yl]-1, 3-dimethyl-1H-be	Oral	No data available	No data available	No data available	No data available
nzimidazolium chloride 29556-33-0	Dermal	No data available	No data available	No data available	No data available

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)

No information available

Engineering controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

| Personal protection equipment

General requirement	
Eye protection	Must wear appropriate safety goggles.
Hand protection	Must wear appropriate chemical protective gloves.
Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear appropriate chemical protective clothing and chemical resistant shoes.

9 Physical and chemical properties

| Physical and chemical properties

Appearance	Liquid	
Odor	No information available	

Shenzhen TCT Testing Technology Co., Ltd.



No.: TCT220610W005	Date: Jun. 15, 2022	Page No: 8/13
Odor threshold	No information available	
рН	No information available	
Melting point/freezing point(°C)	No information available	(6)
Initial boiling point and boiling range(°C)	No information available	
Flash point(Closed cup,°C)	No information available	
Evaporation rate	No information available	
Flammability	No information available	
Upper/lower explosive limits[%(v/v)]	Upper limit : No information available	; Lower limit : No information available
Vapor pressure	No information available	
Vapor density(Air = 1)	No information available	
Relative density(Water=1)	No information available	
Solubility(mg/L)	No information available	
n-octanol/water partition coefficient	No information available	
Auto-ignition temperature(°C)	No information available	
Decomposition temperature(°C)	No information available	
Viscosity(mm ² /s)	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
Particle characteristics	Not applicable	

10 Stability and reactivity

| Stability and reactivity

	Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
	Chemical stability	Stable under proper operation and storage conditions.
		In contact with oxidants causes severe reactions, and may cause a fire or explosion.
	Conditions to avoid	Incompatible materials, heat, flame and spark.
1	Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum.
Ī	Hazardous	Under normal conditions of storage and use, hazardous decomposition
	decomposition products	products should not be produced.

11 Toxicological information

Acute toxicity

	Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
1	1-methoxypropan-2-ol	107-98-2	11700mg/kg(Mouse)	13000mg/kg(Rabbit)	No information

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022				Page No: 9/13
				available
Ethanol	64-17-5	7060mg/kg(Rat)	No information	39mg/L(Mouse)

| Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	64-17-5	Ethanol	Category 1	Not Listed
2	107-98-2	1-methoxypropan-2-ol	Not Listed	Not Listed
3	8050-09-7	Rosin	Not Listed	Not Listed
4	29556-33-0	2-[7-(diethylamino)-2-oxo-2H-1-be nzopyran-3-yl]-1,3-dimethyl-1H-be nzimidazolium chloride	Not Listed	Not Listed

Others

- u		
	Art Markers	
Skin corrosion/irritation	Based on available data, the classification criteria are not met	
Serious eye damage/irritation	Based on available data, the classification criteria are not met	(0)
Skin sensitization	May cause an allergic skin reaction(Category 1)	
Respiratory sensitization	Based on available data, the classification criteria are not met	
Reproductive toxicity	Based on available data, the classification criteria are not met	
STOT-single exposure	May cause drowsiness or dizziness(Category 3)	
STOT-repeated exposure	Based on available data, the classification criteria are not met	
Aspiration hazard	Based on available data, the classification criteria are not met	(,c)
Germ cell mutagenicity	Based on available data, the classification criteria are not met	
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met	

12 Ecological information

| Acute aquatic toxicity

Component	Cas No.	Fish	Crustaceans	Algae
Ethanol	64-17-5	LC ₅₀ : 11000mg/L	EC ₅₀ : 9950mg/L	No information
Ethanol	04-17-5	(96h)(Fish)	(48h)(Crustaceans)	available

| Chronic aquatic toxicity

Chronic aquatic toxicity No information available

| Persistence and degradability

Component Cas No. (water/soil) Persister
--

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No: 10/13

	10/10			
Ethanol	64-17-5	Low(Half-life = 2.17	Low(Half-life = 5.08	
Ethanol	04-17-3	days)	days)	
1-methoxypropan-2-ol	107-98-2	Low(Half-life = 56	Low(Half-life = 1.7	
1-methoxypropan-2-or	107-96-2	days)	days)	

Bioaccumulative potential

Component	Cas No. Bioaccumulative potential		comments		
Ethanol	64-17-5	Low	Log Kow=-0.31		
1-methoxypropan-2-ol	107-98-2	Low	BCF=2		

Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Ethanol	64-17-5	High	1
1-methoxypropan-2-ol	107-98-2	High	1

Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Ethanol	64-17-5	Not PBT/vPvB
1-methoxypropan-2-ol	107-98-2	Not PBT/vPvB
Rosin	8050-09-7	Not PBT/vPvB
2-[7-(diethylamino)-2-oxo-2H-1-be nzopyran-3-yl]-1,3-dimethyl-1H-be nzimidazolium chloride	29556-33-0	Not PBT/vPvB

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.				
	Containers may still present chemical hazard when empty. Keep away from hot				
packaging	and ignition source of fire. Return to supplier for recycling if possible.				
Disposal					
recommendations	Refer to section waste chemicals and contaminated packaging.				

14 Transport information

Label and Mark

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No:

11/13

Transporting Label

Not applicable

IMDG-CODE

IMDG-CODE NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

ICAO/IATA-DGR

ICAO/IATA-DGR NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN-ADR

UN-ADR NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15 Regulatory information

| International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Ethanol	√	√	√	✓	√	✓	√	✓	√
1-methoxypropan-2-ol	√	√	√	✓	√	✓	√	✓	√
Rosin	√	✓	√	√	✓	✓	√	√	×
2-[7-(diethylamino)-2-oxo-2H -1-benzopyran-3-yl]-1,3-dim ethyl-1H-benzimidazolium chloride	√	√	×	√	√	√	×	√	×

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Korea Existing Chemicals Inventory

[AIIC] Australia. Inventory of Industrial Chemicals (AIIC)

【ENCS】 Japan Inventory of Existing & New Chemical Substances

| European chemical inventory

Component	A	В	C	D	E	F	G
Ethanol	×	×	√	✓	√	×	×
1-methoxypropan-2-ol	×	×	~ V	✓	V	×	×
Rosin	×	×	×	✓	1	×	×
2-[7-(diethylamino)-2-oxo-2H-1-ben zopyran-3-yl]-1,3-dimethyl-1H-benzi midazolium chloride	×	×	×	(S)	×	×	

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No:

12/13

- **【B】** Substances requiring authorisation under EU REACH regulation
- [C] Substances restricted under EU REACH
- [D] Pre-registered substances under EU REACH
- [E] Registered substances under EU REACH
- [F] Substance Evaluation CoRAP under EU REACH
- [G] List of priority substances under EU water policy (Directive 2455/2001/EC)

Note

- " $\sqrt{}$ " Indicates that the substance included in the regulations
- "×" That no data or included in the regulations

16 Others

Information on revision

Creation Date	2022/06/15	
Revision Date	2022/06/15	
Reason for revision	-	

Reference

[1]IPCS:The International Chemical Safety Cards (ICSC) ,website: http://www.ilo.org/dyn/icsc/showcard.home.

[2]IARC , website: http://www.iarc.fr/.

[3]OECD: The Global Portal to Information on Chemical Substances, website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[4]CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.

[5]NLM:ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.

[6]EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.

[7]U.S. Department of Transportation:ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

[8]Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

Abbreviations and acronyms

CAS - Chemical Abstracts Service

PC-STEL- Short term exposure limit

DNEL - Derived No E ect Level

RPE - Respiratory Protec ve Equipment

 ${f LC_{50}}$ - Lethal Concentra on 50%

NOEC -No Observed E ect Concentra on

PBT - Persistent, Bioaccumula ve, Toxic

BCF - Bioconcentra on factor (BCF)

IMDG-Interna onal Mari me Dangerous Goods

CMR - Carcinogens, mutagens or substances toxic to reproduc on

PC-TWA - Time Weighted Average

IARC - Interna onal Agency for Research on Cancer

PNEC -Predicted No E ect Concentra on

LD₅₀ - Lethal Dose 50%

EC₅₀ - E ec ve Concentra on 50%

POW - Par on coe cient Octanol:Water

vPvB - very Persistent, very Bioaccumula ve

ICAO/IATA-Interna onal Civil Avia on Organiza on/Interna onal Air

Transporta on Associa on

Shenzhen TCT Testing Technology Co., Ltd.



No. : TCT220610W005 Date: Jun. 15, 2022 Page No:

13/13

ACGIH-American Conference of Governmental Industrial Hygienists

NFPA-Na onal Fire Protec on Associa on OECD-Organiza on for Economic Co-opera on and Development

Disclaimer

UN-The United Na ons

This Safety Data Sheet (SDS) was prepared according to REACH Regulation The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



Shenzhen TCT Testing Technology Co., Ltd.