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Headway(Shanghai)Testing Service Co.,Ltd,was founded in 2008.Shanghai,China.

We engaged in providing professional international third-party testing,certification,audit,inspection,calibration and consulting services.

Our services range from manufacturing industries to toys and their accessories,from the mining, petrochemical to and consumer goods and retailing,from foods,agricultural products to electrical and electronic appliances.

Whatever you are engaged in,we can always help you to achieve your goals from design and product development,management,production process,supply chain,safety and quality control.We help you maintain your brand names and guarantee your product's quality.

We have a powerful database: www.labtesting.cn and an industry information networks that we can always find solutions for you.

Material Safety Data Sheet

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

.Product details**.Trade name:** Coloring Pens**.Manufacturer/Supplier:** SHANGHAI TOG CO., LTD.

Room 708, 1st Building, Wisdom Bay, No.6 Wenchuan RD, Baoshan District, Shanghai, China

Tel: + 86-13003182488**.Further information obtainable from:** SHANGHAI TOG CO., LTD.**.Information in case of emergency:** SHANGHAI TOG CO., LTD.

Room 708, 1st Building, Wisdom Bay, No.6 Wenchuan RD, Baoshan District, Shanghai, China

Tel: + 86-13003182488**Contact:** Owen**Email:** owe@togsh.com

2 Hazards identification

.Classification of the substance or mixture**.Classification according to EU Directives 67/548/EEC or 1999/45/EC**

This product is not classified as dangerous according to EC criteria.

.Label elements**.Labelling according to EC Directives**

do not need labelling as hazardous

.CLP Directive 1272/2008/EC**.GHS pictograms:**

do not need labelling as hazardous

Signal word: -

This product is not classified as dangerous according to EC criteria.

3 Composition/information on ingredients

.Description: Mixture of substances listed below with additions.

Color of pens	Name of Chemical	CAS Number	Approximate(%)by Wt.Or Vol.
CH201(203) Yellow	Basic yellow 37	6358-36-7	1%
	Triethanolamine	102-71-6	0.5%
	Glycerin	56-81-5	10%
	Xanthan gum	11138-66-2	1%

	2-methyl-4-isothiazoline-3-one	2682-20-4	0.01%
	Water	7732-18-5	87.49%

<i>Color of pens</i>	<i>Name of Chemical</i>	<i>CAS Number</i>	<i>Approximate(%)by Wt.Or Vol.</i>
CH202(204) Green	Basic yellow 37	6358-36-7	1.5%
	Basic Blue 3	333203-82-6	1%
	Triethanolamine	102-71-6	1%
	Glycerin	56-81-5	10%
	Xanthan gum	11138-66-2	1%
	2-methyl-4-isothiazoline-3-one	2682-20-4	0.01%
	Water	7732-18-5	85.49%

<i>Color of pens</i>	<i>Name of Chemical</i>	<i>CAS Number</i>	<i>Approximate(%)by Wt.Or Vol.</i>
CH207Organ	Basic yellow 37	6358-36-7	1%
	Basic Red 1	989-38-8	1.5%
	Triethanolamine	102-71-6	1%
	Glycerin	56-81-5	10%
	Xanthan gum	11138-66-2	1%
	2-methyl-4-isothiazoline-3-one	2682-20-4	0.02%
	Water	7732-18-5	85.48%

<i>Color of pens</i>	<i>Name of Chemical</i>	<i>CAS Number</i>	<i>Approximate(%)by Wt.Or Vol.</i>
CH213 Pink	Basic Red 1	989-38-8	1.5%
	Basic Blue 3	333203-82-6	0.5%
	Triethanolamine	102-71-6	1%
	Glycerin	56-81-5	10%
	Xanthan gum	11138-66-2	1%
	2-methyl-4-isothiazoline-3-one	2682-20-4	0.02%
	Water	7732-18-5	85.98%

<i>Color of pens</i>	<i>Name of Chemical</i>	<i>CAS Number</i>	<i>Approximate(%)by Wt.Or Vol.</i>
CH221 (223) Blue	Basic Blue 3	333203-82-6	1%
	Triethanolamine	102-71-6	1%
	Glycerin	56-81-5	10%
	Xanthan gum	11138-66-2	1%
	2-methyl-4-isothiazoline-3-one	2682-20-4	0.02%

		Water	7732-18-5	86.98%	
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4 First aid measures

- .After inhalation:* The material is not expected to present an inhalation hazard.
- .After skin contact:* Cool skin rapidly if contacted with molten polymer. Obtain medical attention for thermal burns..
- .After eye contact:* Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- .After swallowing:* If symptoms persist consult doctor.
- . Ingestion:* No adverse health effects expected from ingestion.
- .After first aid, get appropriate in-plant , paramedic, or community medical support.*

5 Fire-fighting measures

- .General Information:* As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Decomposes at high temperatures, resulting in toxic and corrosive products. Containers may explode when heated.
- .Extinguishing Media:* Use water spray, dry chemical, carbon dioxide, or chemical foam. Cool containers with flooding quantities of water until well after fire is out.
- .Flash Point:* Not available.
- .LEL:* Not Determined.
- .UEL:* Not Determined.
- .Special fire & explosion hazards:* Dense smoke emitted when burned without sufficient oxygen. Possible dust explosion if fines accumulate. Wear standard firefighting attire.
- .Exiting using media:* Dry Chemical, Carbon Dioxide, and Foam.
- .Unusual Fire or Explosion Hazards:* None.

6 Accidental release measures

- .Small Spill:* Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- .Large Spill:* Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7 Handling and storage

The regulations relating to storage remises apply to workshop where the product is handled :

- .Handling:* Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.
- .Storage:* Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Avoid

dust formation and control ignition sources. Keep air contact to a minimum.

.Further information about storage condition: None.

8 Exposure controls/personal protection

.Ventilation and Engineering controls:

No special ventilation and engineering controls are required for handling of these products.

.Respiratory Protection:

No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection:

No special protective clothing is required.

9 Physical and chemical properties

.General Information	
.Form:	Liquid
.Color:	Color
.Odor:	Odorless
.Change in condition	
.Melting point/Melting range:	Not available
.Boiling point/Boiling range:	Not available
.Flash point:	Not available
.Self-igniting:	Product is not self-igniting
.Danger of explosion:	Not available
.Density:	Not available
.Relative density:	Not available
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
.Water:	Solubility in water
.PH-Value:	Not available
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

.Chemical Stability: The product is stable.

.Conditions to Avoid: Dust generation.

.Incompatibilities with Other Materials: Incompatible or reactive with fluorine gas, oxidizing agents (nitric acid and perchloric acid), free halogens, benzene, petroleum ether, gasoline and lubricating oils, and aromatic and chlorinated hydrocarbons.

.Hazardous Decomposition Products: The following combustion products may be generated: carbon dioxide, carbon

monoxide, water vapor, and trace volatile organic compounds.

.Hazardous Polymerization: Hazardous polymerization will not occur.

11 Toxicological information

.Toxicity to Animals:

LD50: Not available.

LC50: Not available.

.Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified NONE by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC.

.Other Toxic Effects on Humans: None

.on the skin: Irritant to skin and mucous membranes if soluble

.on the eye: Sensitizing effects known.

.Carcinogenicity: None Determined.

.Mutagenicity: None Determined.

.Teratogenicity: None Determined

12 Ecological information

.Instability: Not applicable.

.Persistence/Degradability: Like plastic in the long term.

.Environmental Precautions: It must be disposed of by incineration or in an authorized waste deposit.

13 Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

.Waste Disposal Methods: Disposal must be done as territory and /or local government regulations. .Waste management information will help to receive the best results.

.Disposal of packaging: Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

14 Transport information

.DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled material (United States).

.DOT Proper Shipping Name: Not applicable.

.UN Number: Not applicable.

.Packing Group: Not applicable.

.USCG Proper Shipping Name: Polypropylene

.Marine Pollutant: Not available.

.Hazardous Substance Reportable Quantity: Not available.

.Special Provisions for Transport: Not applicable.

.TDG Classification: Not controlled under TDG (Canada).

.ADR/RID Classification: Not controlled under ADR(Europe)

.IMO/IMDG Classification: Not Controlled under IMDG.

.ICAO/IATA Classification: Not controlled under IATA.

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

.U.S. Federal Regulation:

.TSCA inventory: All components are listed or exempted.

.SARA 301/302/303

No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification (Appendix A to Part 355).

.SARA 304: No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification (SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

.SARA 313: This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

.SARA 311/312: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and as such does not require reporting under the requirements of 40 CFR 370, Hazardous Chemical Reporting: Community Right-To-Know.

Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated the Federal contents in their own forms, Tier I & II forms should be obtained from the State Emergency Response Commission (SERC).

Clean water act (CWA) 307: No products were found.

Clean water act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

.International Regulations

.WHMIS: Not controlled under WHMIS

.EINECS: Not available.

.DSCL: Not controlled under DSCL

.International Lists: No products were found.

.State Regulation: No products were found. California Prop.65: There are no Proposition 65 chemicals present in our polypropylene resins at levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, REGULATION (EC) No 1272/2008, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

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