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SDS Report

No. SHAEC1619508401

Date: Sep. 8, 2016

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Yuyao Shuanghe Electron Instrument Co., Ltd
No.2 Binxi South Rd Dayin Industrial Park, Yuyao Zhejiang, China

SGS Ref. No. : SP16-030942-SH
 Sample Name : Pigment
 End Uses : Making thermometers
 Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
 Job Receiving Date : Sep 01, 2016
 Last Information Date : Sep 02, 2016
 SDS Preparation Period : Sep 01 ~ Sep 07, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200



Printing date 09/07/2016

Reviewed on 09/06/2016

1 Identification

- **Product identifier**
- **Trade name:** *Pigment*
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** *Making thermometers*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Yuyao Shuanghe Electron Instrument Co., Ltd
No.2 Binxi South Rd Dayin Industrial Park, Yuyao Zhejiang, China
Tel: 86-574-62913488
E-mail: jamy_huang@chinazhiling.com
- **Other US contact point:**
Taylor Precision Products
2311 W. 22nd Street, Suite 200 Oak Brook, IL 60523
Tel: 575-526-0944 ext 3136
E-mail: garnold@taylorusa.com
- **Further information obtainable from:** *Yuyao Shuanghe Electron Instrument Co., Ltd*
- **Emergency telephone number:**
Connie Yue
Tel: 13957862879
-
- **Poison Center**
Tel: +1 800 222 1222
- **Reference Number:** *SP16-030942-SH; SHAEC1619508401*

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
-  **GHS07**
- *Skin Irrit. 2 H315 Causes skin irritation.*
- *Eye Irrit. 2A H319 Causes serious eye irritation.*
- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**
-  **GHS07**
- **Signal word** *Warning*
- **Hazard-determining components of labeling:** *Not applicable*
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Precautionary statements**
P280 Wear protective gloves.

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- P280 Wear eye protection / face protection.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
85-83-6 1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol
- **Identification number(s)**
- **EC number: 201-635-8**
- **Remark :**
This product contains substance 1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol (CAS No.85-83-6) 100% by weight.

4 First-aid measures

- **Description of first aid measures**
- **General information: Immediately remove any clothing soiled by the product.**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Seek medical treatment.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.

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- Ensure adequate ventilation
- Avoid formation of dust.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Avoid contact with eyes.
- Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Pick up mechanically.
 - Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Keep receptacles tightly sealed.
 - Keep away from heat and direct sunlight.
 - Prevent formation of dust.
 - Avoid contact with skin and eyes.
 - For the general occupational hygienic measures refer to section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
 - Keep receptacle tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
 - **Appropriate engineering controls:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - See Section 7 for information about design of technical facilities.
 - **Personal protective equipment:**
 - **Breathing equipment:** Suitable respiratory protective device recommended.
 - **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

· **Appearance:**

· Form:	Powder
· Color:	Red
· Odor:	Odorless
· Odor threshold:	Not available

· **pH-value:** Not available

· **Change in condition**

· Melting point/Melting range:	Not available.
· Freezing point:	Not available
· Boiling point/Boiling range:	Not available

· **Flash point:** Not available

· **Flammability (solid, gaseous):** Not available

· **Auto-Ignition temperature:** Not available

· **Decomposition temperature:** Not available

· **Explosion limits:**

· Lower:	Not available.
· Upper:	Not available.

· **Vapor pressure:** Not available

· **Density:** Not available.

· **Relative density** Not available.

· **Vapor density** Not available

· **Evaporation rate** Not available

· **Solubility in / Miscibility with**

· **Water:** Not available

· **Partition coefficient (n-octanol/water):** Not available

· **Viscosity:**

· Dynamic:	Not available
· Kinematic:	Not available

· **Other information** Not further relevant information available.

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10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** Not available
- **Primary irritant effect:**
- **Skin corrosion/irritation:** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**
The product shows the following dangers according to substances:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

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- **NTP (National Toxicology Program)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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Trade name: Pigment

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14 Transport information

· UN-Number	
· DOT, IMDG, IATA	Not applicable
· UN proper shipping name	
· DOT, IMDG, IATA	Not applicable
· Transport hazard class(es)	
· DOT, IMDG, IATA	
· Class	Not applicable
· Packing group	
· DOT, IMDG, IATA	Not applicable
· Environmental hazards	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· Sara
· Section 355 (extremely hazardous substances):
Substance is not listed.
· Section 313 (Specific toxic chemical listings):
Substance is not listed.
· TSCA (Toxic Substances Control Act):
Substance is listed.
· Proposition 65
· Chemicals known to cause cancer:
Substance is not listed.
· Chemicals known to cause reproductive toxicity for females:
Substance is not listed.
· Chemicals known to cause reproductive toxicity for males:
Substance is not listed.
· Chemicals known to cause developmental toxicity:
Substance is not listed.
· Cancerogenity categories
· EPA (Environmental Protection Agency)
Substance is not listed.
· TLV (Threshold Limit Value established by ACGIH)
Substance is not listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.

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16 Other information

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Date of preparation / last revision 09/07/2016 / -

Abbreviations and acronyms:

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

End of document