

81364-1001

**Test Report**

No. SHAHG1909098501

Date: May. 15, 2019

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ZHEJIANG BAIYI STATIONERY CO., LTD.

NO.2 AREA, YANGSHAN INDUSTRIAL ZONE, XINJIAN, JINYUN, LISHUI CITY, ZHEJIANG PROVINCE, CHINA.

The following sample was submitted and identified by the client as GLITTER GLUE (1 formulation and 8 additional colors).

Net Weight/Volume : 11.0 ml /pc/color
 Style/Item No. : Unspecified
 Buyer : Unspecified
 Manufacturer : ZHEJIANG BAIYI STATIONERY CO., LTD.
 Region of Origin : China
 Region of Destination : USA
 Sample Receiving Date : May 07, 2019
 Test Period : May 08~ May. 15, 2019
 Reference No. : NBHL1904006351SD, SHHL1905021927SD

Test Requested

Toxicological Risk Assessment (TRA) for the said product.

Test Results

Please refer to the following pages.

ConclusionPlease refer to *Section IV: CONCLUSIONS*.

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

Kejun You, Grady
 DCST, DABT, ERT
 Diplomat of Certified Toxicologist, CST
 Diplomate of the American Board of Toxicology
 European Registered Toxicologist



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TOXICOLOGICAL RISK ASSESSMENT

The aim of this report is to assess the safety of the formulation of GLITTER GLUE – Glue in 9 Assorted Colors under normal and reasonable foreseeable conditions of use. The formulation is intended to be packaged by appropriate instruments for making slime by the population of 3 years old and above.

The risk assessment takes account of:

Skin irritation
 Eye irritation
 Strong sensitization
 Oral toxicity
 Inhalation toxicity

The followings were considered in this toxicological assessment for all ingredients and the finished product:

Ingredient toxicological profile
 Potential ingredient interaction
 Consumer exposure scenario

Section I. FORMULATION REVIEW

Chemical Name	CAS RN	% By Weight
Water	7732-18-5	81.000000
Polyacrylate	9003-01-4	10.000000
Polyethylene Terephthalate	25038-59-9	8.667000
Acetic Acid Ethenyl Ester	63450-15-7	0.270000
Aluminum	7429-90-5	0.018000
Product 1		
Acid Yellow 121	5601-29-6	0.045000
Product 2		
Pigment Red 122	16043-40-6	0.045000
Product 3		
Pigment Green 8	16143-80-9	0.045000
Product 4		
Pigment Blue 1	1325-87-7	0.045000
Product 5		



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Chemical Name	CAS RN	% By Weight
Pigment Red 9	6410-38-4	0.045000
Product 6		
Pigment Violet 1	1326-03-0	0.045000
Product 7		
Pigment White 12	1314-23-4	0.045000
Product 8		
Pigment Yellow 110	5590-18-1	0.045000
Product 9		
Acid Yellow 121	5601-29-6	0.005625
Pigment Red 122	16043-40-6	0.005625
Pigment Green 8	16143-80-9	0.005625
Pigment Blue 1	1325-87-7	0.005625
Pigment Red 9	6410-38-4	0.005625
Pigment Violet 1	1326-03-0	0.005625
Pigment White 12	1314-23-4	0.005625
Pigment Yellow 110	5590-18-1	0.005625

No allergenic fragrance has been indicated to be present in the formulation.

Section II. CONSUMER HEALTH RISK ASSESSMENT

Afore-mentioned formulation has been reviewed for safety at the basis of the following assumptions.

Exposure assessment

The following assumptions have been made for assessment of exposure:

- Product category: glue;
- Physical form: gel;
- Intended use (suggested use): to be packaged by appropriate instruments for making slime;
- Accessibility: this product may contact the consumer directly;
- Exposure route(s): primarily via dermal contact, potentially eye contact;
- Default body weight: 15.1 kg (child), 60 kg (adult);
- Target population: the population of 3 years old and above.

Section III. RISK EVALUATION

The submitted formulation is intended to be packaged by appropriate instruments for making slime, which is



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unlikely to cause irritation by intact skin contact. Accidental exposure of the eye may result irritation, but exposure via dermal contact to eye transfer is brief and limited in this product. Moreover, the formulation is not expected to produce skin sensitization in the majority of consumers. Furthermore, the amount of the ingredients contained in the product does not contain any material in quantity sufficient enough to cause chronic toxicity among users, when used for its intended purpose.

Section IV. CONCLUSION

The submitted formulation is not expected to cause acute or chronic skin and eye irritation, acute or chronic oral, dermal or inhalation toxicity or be a strong sensitizer as defined in 16 CFR 1500.3(c)(4), 1500.3(c)(2), 1500.3(c)(3) and 1500.3(c)(5). Taking into account the way the product is used, in the present state of knowledge, it is estimated that under normal condition of use, this product is unlikely to constitute significant health risks to the consumers.

Recommended Safety Labeling:

Use under adult supervision.

The assessment is valid under the following conditions:

1. Potential physical, mechanical electrical and microbiological risks of the product have not been assessed or evaluated.
2. The formulation, description and other supporting documents of the product were assumed to be valid and accurate.
3. It was assumed that, neither the ingredients, nor the finished product contain contaminants or residues, which could cause adverse effect to a consumer who may be exposed, above the level set in the applicable legislation.
4. The risk evaluation can solely be applied to and is appropriate for, the product described above under the stated conditions. Modification of any components of the finished product, such as net weight, adjustment of ingredient concentrations, would require re-evaluation.
5. Heavy metal contents in the product were not assessed and evaluated.
6. This product has been assessed for compliance only with the regulation(s) specified herein.
7. In case of consumer's adverse reaction from using this formulation, the undersigned should be informed so that the formulation can be further reviewed.
8. This product has been evaluated for human health only, environmental concern/eco-toxicity were not assessed in this report.
9. The assessment is performed by using in-house method, to consumer product exposure database, public information and literature data available at the time of this assessment.



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中国·上海·徐汇区宜山路889号3号楼 邮编: 200233
 3 Building No.889 Yixian Road Xuhui District, Shanghai China 200233
 IHL (86-21) 61402594 IHL (86-21) 61495679
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***** End of Report *****

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