81356-XXXX



Test Report

No.: T51710280065TA

Date: DEC 04, 2017

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YIXING HUHUA STATIONERY CO.,LTD ZHOUTIE,YIXING CITY,JIANGSU PROVINCE,CHINA

Toxicological Risk Assessment (TRA) Cover Page

The following samples were submitted and identified on behalf of the client as:

INK PAD (1 formula and 11 additional colors).

Net Weight : 1G EACH

Sample Information : FORMULATION WITH CHEMICAL NAME, CAS NO. AND PERCENTAGE Received

Buyer : SPICEBOX BOOKS DEVELOPMENT

Manufacturer : YIXING HUHUA STATIONERY CO.,LTD.

Region of Origin : CHINA
Region of Destination : CANADA
Order Receiving Date : NOV 27, 2017

Assessment Period : NOV 27, 2017 TO DEC 04, 2017

Service Requested

Toxicological Risk Assessment (TRA) for the said product per information provided.

Conclusion

Please refer to the section "CONCLUSION"



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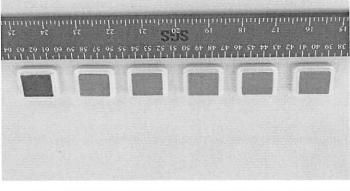


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Test Report

Sample Photo:



SGS authenticate the photo on original report only





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MSDS for #81356 - PAINTING KIT

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The validity of this review depends on accurate disclosure by both the manufacturer(s) of the components and of the finished products. Best professional capabilities are used in performing this review. If client wishes to use this opinion with any alterations to the submitted formula, SGS-CSTC Standard Technical Services Co., Ltd. Shenzhen Branch-Toy laboratory or any of its employees will not be held liable for any injury or damage resulting from this product. A review of this assessment should be programmed at regular and frequent intervals (upon reformulation of the components or the finished products or upon any change to health and safety regulations).

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******** For Further Details, Please Refer to the Following Page(s) ********

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Feng Shaohong, Jessica

Lab Manager



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TOXICOLOGICAL RISK ASSESSMENT REPORT

The formula of INK PAD (red, violet, blue, black, green, yellow, white, orange, pink, grass green, watery red and sky blue) is reviewed. The product is for Canada market and intended for playing by children of 8 years old or above as client claims. The net weight of ink (The formula under assessment) is 1g per color.

This risk assessment takes account of:

Corrosivity Skin irritation Eye irritation Strong sensitization Oral toxicity Inhalation toxicity

According to:

Canada Toys Regulations (SOR/2011-17 Sections 25 and 26)

The followings were considered in this toxicological assessment

Ingredient toxicological profile Potential ingredient interaction Consumer exposure scenario



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Section I. FORMULATION REVIEW

INGREDIENT NAME	CAS NO./RN CAS	% BY WEIGHT (% ACTIVE)
BASIC FORMULATION		
WATER	7732-18-5	51
GLYCEROL	56-81-5	42.8
RED	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PIGMENT RED	6535-46-2	6.2
VIOLET		
PIGMENT VIOLET	6358-30-1	6.2
BLUE		
PIGMENT BLUE	147-14-8	6.2
BLACK	-4.5, 1	
PIGMENT BLACK	1333-86-4	6.2
GREEN		
ALPHAZURINE A	3486-30-4	3
YELLOW G	6359-82-6	3.2
YELLOW		
PIGEMENT YELLOW	5102-83-0	5.1
PIGMENT RED	6535-46-2	1.1
WHITE		
TITANIUM DIOXIDE	13463-67-7	6.2
ORANGE	1	
PIGEMENT RED	6535-46-2	5.3
CATONIC GOLD YELLOW	54060-92-3	0.9
PINK		
TITANIUM DIOXIDE	13463-67-7	2
QUINACRIDONE	1047-16-1	4.2
GRASS GREEN		
ALPHAZURINE A	3486-30-4	2.8
YELLOW G	6359-82-6	3.4
WATERY RED		
TITANIUM DIOXIDE	13463-67-7	2.2
QUINACRIDONE	1047-16-1	4
SKY BLUE		
TITANIUM DIOXIDE	13463-67-7	1.2
PIGMENT BLUE	147-14-8	5



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The reported ingredients are not considered to cause acute oral toxicity, eye/ skin irritations, be corrosive or strong sensitization as defined according to the Canada Toys Regulations (SOR/2011-17 Sections 25&26) with the stated net weight of the product.

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: ink pad
- Physical form: liquid
- Intended use (suggested use): ink pad stamp for stencil
- Accessibility: this product will contact with the consumer directly
- Exposure route(s): primarily via dermal contact
- Default body weight: 28kg
- Target population: children of 8 years old and above as client claims

Section III. RISK EVALUATION

Provided the manufacturer's instructions are followed, this product is unlikely to cause damage to internal organs through skin and inhalation in majority of consumers under normal and reasonably foreseeable conditions of use. However, this product should also comply with applicable toy regulation e.g. choking to substantiate its safety.

Section IV. CONCLUSION

The formula is not expected to cause acute oral toxicity, skin and eye irritation, be corrosive or be a strong sensitizer. Provided the manufacturer's instructions are followed, it is considered that, in the present state of knowledge, the submitted formulation put on the market is unlikely to pose a significant risk to the health of intended consumer under normal and reasonably foreseeable conditions of use.

Recommended Safety Labelling

Not Applicable



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- The TRA assessment is valid under the following conditions:

 1. Potential physical, mechanical, electrical and microbiological risks of the product have not been assessed and evaluated.
- The formulation, description and other supporting documents of the product were assumed to be valid and accurate.
- accurate. It was assumed that either the ingredients, or the finished product contain no contaminants or residues that cause toxicity to a consumer who may be exposed. All polymers should be well-cured if they are present in
- The risk evaluation can solely be applied to and 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, should therefore require re-evaluation.

- Heavy metal contents in the product were not assessed and evaluated.

 This product has been assessed for compliance only with the regulation(s) specified herein.

 If there is an adverse reaction from using this formulation then the undersigned should be informed so that the formulation can be further reviewed.
- This product has been evaluated for human health only, environmental concern/ ecotoxicity is not assessed in this report.
- The assessment is performed by in-house method, taking reference of available consumer product exposure database, literature data to the best of knowledge by the time of assessment.



HONGJING XU MB, MPH, Diplomate, American Board of Toxicology, European Registered Toxicologist, Certified Toxicologist of CSOT Certified Cosmetic Safety Assessor

****** End of Report ******



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