





TEST REPORT

HEBEI CHINJOO ART MATERIALS
TECHNOLOGY CO., LTD
NO.1 CHINJOO RD, HENGDE INDUSTRIAL
PARK, GUCHENG COUNTY, HEBEI, CHINA

LAB LOCATION: SHENZHEN

LAB NUMBER: (8523)346-0571 (Revised)

ATTN: PEPE SHEN
CC:

DATE IN: DEC 12, 2023
MOD. LOG IN: /
DATE OUT: DEC 13, 2023
REVISED DATE: DEC 29, 2023
WORKING DAYS: 2
PAGE: 2 OF 10

OVERALL RATING	
PASS	<input checked="" type="checkbox"/>
FAIL	<input type="checkbox"/>
DATA	<input type="checkbox"/>

TESTING FOR
ACTUAL US TRA, LHAMA

Sample Description:	Acrylic gouache		
Manufacturer:	Hebei Chinjoo Art Materials Technology Co., Ltd	PO #:	PO5403
Country of Origin:	CHINA	Country of Destination:	UNITED STATES
Color:	/	VPN# (Vendor Part Number)	/
SKU #:	ARTZ-4665,4666,4667		
Claimed Age Grade:	/	Appropriate Age Grade:	/
Tested Age Grade:	/		
Re-test:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	Charge Vendor: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Previous Report #:	/		



TEST INFORMATION & EXECUTIVE SUMMARY:

The sample(s) **MEETS** the following requirement(s):

1. The submitted sample(s) demonstrated **SATISFACTORY** labeling as the testing result complied with the requirement as below: **(PASS)**

Evaluation	Citation / Method	Criteria	Results	Exhibit #
US Packaging labeling	F.P. and L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	Packaging shall be labelled with the following, Product Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units) Manufacturer, packer, or distributor's name & address (City, State & Zip Code)	Meet	/
Country of origin marking	19 CFR 134	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.	Meet	/
LHAMA evaluation in art materials - Labeling	16 CFR 1500.14(b)(8) / ASTM D4236-94(R2021)	Shall conform to the labeling requirements as defined by 16CFR1500.14 (LHAMA) / ASTM D4236. Warnings are not allowed on products intended for children under 12 years of age.	Meet	/

2. The submitted sample(s) demonstrated **SATISFACTORY** level of flammability as the testing result complied with the requirement as below: **(PASS)**

Evaluation	Citation / Method	Criteria	Results	Exhibit #
Solids - Flammability	16 CFR 1500.3(c)(6)(vi) / 16 CFR 1500.44	Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second.	Meet	/



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3. The test result of 16 CFR 1500.14a Hazardous Liquids (GC Scan) are shown as below table. (PASS)

Hazardous Substances Content - United States Code of Federal Regulations (CFR), Title 16, Sections 1500.14(a)(1) to (a)(5)

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1	Titanium White	water color	All
	Space Black	water color	All
	Aureolin Yellow	water color	All
2	Tomato Red	water color	All
	Rose Madder	water color	All
	Burnt Sienna	water color	All
3	Egyptian Blue	water color	All
	Bumblebee Yellow	water color	All
	Yellow Ochre	water color	All
4	Burnt Umber	water color	All
	Navy Blue	water color	All
	Orange	water color	All
5	Rose	water color	All
	Magenta	water color	All

Limit :	Methanol : Less than 4 % Ethylene Glycol, Diethylene Glycol, Petroleum Distillates, Toluene, Xylene and Turpentine : Less than 10 % Each Benzene : Less than 5 %
----------------	---

Test Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	%	PASS
2	ND	ND	%	PASS
3	ND	ND	%	PASS
4	ND	ND	%	PASS
5	ND	ND	%	PASS

Note / Key :

ND = Not detected

">" = Greater than

Conc. = Concentration

% = percent

Detection Limit (%) : Each 1

Remark :

- The list of hazardous substances is summarized in table of Appendix.
- Product(s) with hazardous substances content exceeding this limit has (have) to comply with the warning utilization requirement as mentioned in United States Code of Federal Regulations (CFR), Title 16, Section 1500.14(b).

APPENDIX

List of Hazardous Substances [16 CFR 1500.14(a)(1) to (a)(5)] :			
No.	Name of Analytes	No.	Name of Analytes
1	Methanol	5	Petroleum distillates
2	Ethylene glycol	6	Turpentine
3	Diethylene glycol	7	Toluene
4	Benzene	8	Xylene

4. The actual **Flash Point** test of 16 CFR 1500 was conducted the submitted sample(s). The test results are stated as below: **(DATA)**

LIQUID COMBUSTIBILITY (16 CFR 1500.3(c)(6))

Test Method: 16 CFR 1500.43a, "Method of test for flashpoint of volatile flammable material"

Test Component		Location	Style	Result (°C)	Conclusion
1	Titanium white	Water color	All	Over 80	Data
2	Space black	Water color	All	Over 80	Data
3	Aureolin yellow	Water color	All	Over 80	Data
4	Tomato red	Water color	All	Over 80	Data
5	Rose madder	Water color	All	Over 80	Data
6	Burnt sienna	Water color	All	Over 80	Data
7	Egyptian blue	Water color	All	Over 80	Data
8	Bumblebee yellow	Water color	All	Over 80	Data
9	Yellow ochre	Water color	All	Over 80	Data
10	Burnt umber	Water color	All	Over 80	Data
11	Navy blue	Water color	All	Over 80	Data
12	Orange	Water color	All	Over 80	Data
13	Rose	Water color	All	Over 80	Data
14	Magenta	Water color	All	Over 80	Data

GT = Greater than
°C = Degree Celsius

LT = Less than
°F = Degree Fahrenheit

5. LHAMA evaluation in art materials -Document review (PASS)

In lieu of testing and at the request of the client, documentation has been provided which indicates the sample(s) complied with the labeling requirement of 16 CFR 1500.14(b)(8), "Art materials" (LHAMA and FHSA).

6. US Toxicological Risk assessment – Document REVIEW (PASS)

In lieu of testing and at the request of the client, documentation has been provided which indicates the sample(s) was not considered to be toxic, corrosive, skin/eye irritant nor strong sensitizer as defined in 16 CFR 1500.3(b)(5) and 1500.3(b)(7)-(9)(FHSA regulations).

REMARK(S):

1. As per client's request, only transfer US test results from 85222000229 in this report.
2. No actual TPCH (US) is conducted, as the COC is provided for this report.

NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns: Alex lee
(+86)755- 86135664
Ho-yin.lee@bureauveritas.com

General Enquiries: Ann An
(+86)755-32980201
Ann.an@bureauveritas.com

BUREAU VERITAS SHENZHEN CO., LTD



LARRY CHING
SENIOR MANAGER – HARDLINES DIVISION



BUREAU VERITAS

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pkg 01



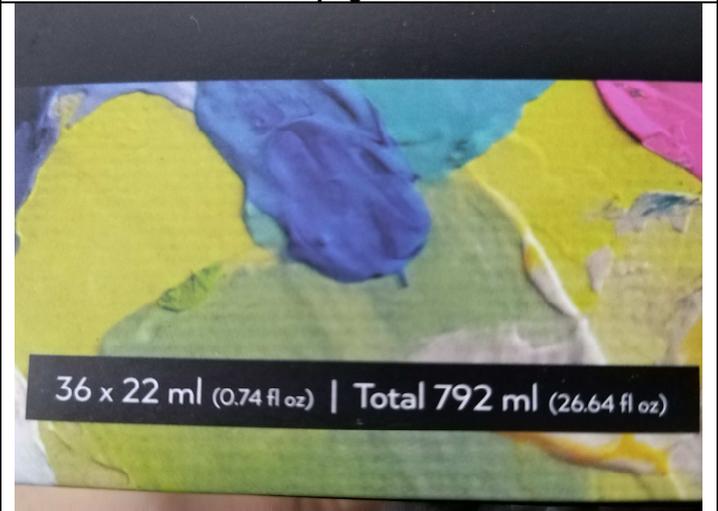
pkg 02



pkg 03



pkg 04



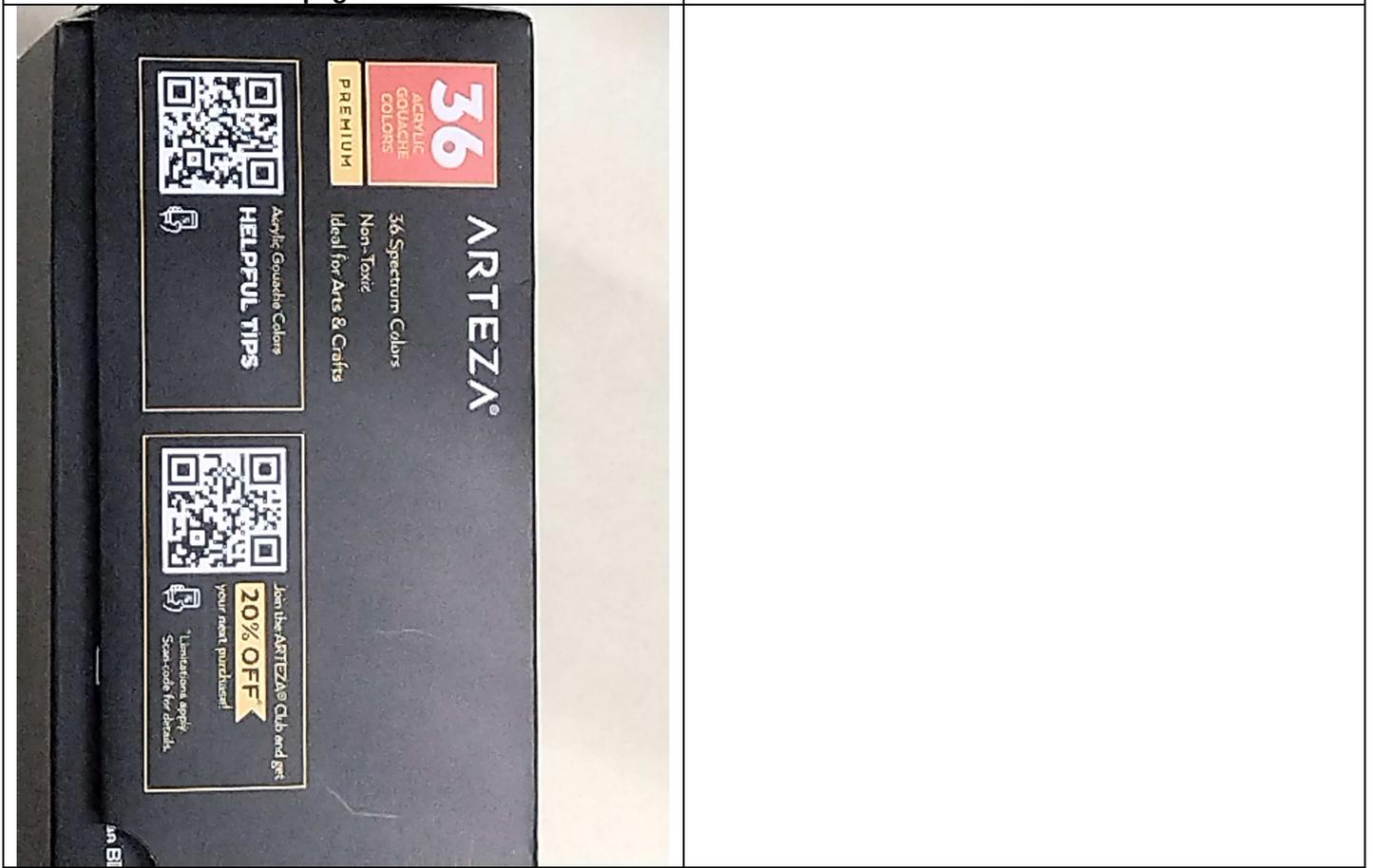


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Grouping Form 分组测试表

Products that have multiple styles and utilize the exact same raw materials and/or components may qualify for "like" item testing. This form will assist you in identifying the components, paints and/or raw materials that are the same in multiple items. **Items may only be grouped if they have the same function and/or purpose and are manufactured in the same factory using the same materials and manufactured process. This will reduce the need to test the same raw materials and/or components more than once.**

具有多种款式且使用完全相同的原材料和/或组件的产品可能符合“类似”项目测试。此表格将帮助您识别在多个项目中相同的组件、涂料和/或原材料。只有具有相同的功能和/或目的，并且在同一工厂使用相同的材料和制造工艺的项目才能分组。这将减少对相同原材料和/或组件进行多次测试的需要。

Remark:
注意
1. Vendor assumes all risks associated with not completing this form completely and accurately. Each grouping form corresponds to one Test Requested Form. The lab will issue one test report for all items listed on this form. If vendor does not specify the item required for full protocol testing, the lab will randomly select an item.
2. All grouping forms must be approved by either Alyce M. Waters/ Veronica Feliciano/ Alexandra Lozada. If lab receive a grouping form where the approval field is blank or contains the vendor name, please contact client for review and approval.
1. 如供应商未完整并正确地填写此表格，将承担所有与之相关的风险。每个分组表对应一个测试请求表。本实验室将对表格上所列的所有项目出具一份检测报告。如果供应商没有为协议测试全测指定测试款式，实验室将随机选择一个款式进行测试。
2. 所有的分组表格必须得到Alyce M. Waters/ Veronica Feliciano/ Alexandra Lozada的批准。如果实验室收到一个批准项为空或包含了供应商名称的分组表格，请联系客户进行审查和批准。

Vendor Name:
供应商名称
Hebei Chinqoo Art Materials Technology Co., Ltd

Contact Name:
联系人姓名
Pepe

Submitted Date:
提交日期
06/28/22

Intended Market (General Use or Children Product or Toy):
目标市场 (普通用途或儿童产品或玩具):
General Use

Country of Destination (US or UK or Can):
目的国 (美国或英国或两者):
US-UK-Canada

SKU / PO SKU / PO	Sample Description 样品描述	Intended Usage - product purpose 预期用途-产品用途	Product Photos 产品图片	Material Breakdown - List specific materials for all components 材料分类 - 列出所有部件的具体材料	Primary Color Information - List out individually for ink, cap, body, etc (provide by color code if available) 颜色信息(适用于多色类木制) - 分别列出油墨、瓶盖、主体等 (如果有有的话, 提供颜色代码)	Grouping Clarification - Describe how the grouping is applied, which components need tested or grouped and why 分组说明 - 描述如何进行分组, 哪些组件需要测试 或分组, 以及原因	Full Protocol Requested 协议测试全测	Partial Test 部分测试	Fully Grouped Product No Testing Required 完全分组产品无需测试
							Check one appropriate box 请在适当的方框里打勾		
ARTZ-4665	Acrylic Gouache Paint, Set of 12, Assorted Colors, 22ml	Paint		color box --paper Tube- aluminum (Cap, PP) PAINT: Acrylic acid Polymers Propylene Glycol Calcium carbonate Water	See other attachment	Fully grouped			√
ARTZ-4666	Acrylic Gouache Paint, Set of 24, Assorted Colors, 22ml	Paint		color box --paper Tube- aluminum (Cap, PP) PAINT: Acrylic acid Polymers Propylene Glycol Calcium carbonate Water		Fully grouped			√
ARTZ-4667	Acrylic Gouache Paint, Set of 36, Assorted Colors, 22ml	Paint		color box --paper Tube- aluminum (Cap, PP) PAINT: Acrylic acid Polymers Propylene Glycol Calcium carbonate Water		Test	√		

Approved By:
批准人: Veronica F.
Date:
日期: 28-Jun

END OF REPORT

Assessment Report

No. SHAHG2212758901

Date: Sep. 5, 2022

Page 1 of 4

HEBEI CHINJOO ART MATERIALS TECHNOLOGY CO., LTD.

NO. 1 CHINJOO RD, HENGDE INDUSTRIAL PARK, GUCHENG COUNTY, HEBEI, CHINA.

The following sample/information of the product was submitted and identified by the client as ACRYLIC GOUACHE (1 formulation and 13 additional colors).

Net Weight/Volume : 5mL/6mL/12mL/18mL/21mL/22mL/59mL/60mL/
75mL/100mL/120mL/200mL/250mL/500mL
Style/Item No. : Unspecified
Buyer : Unspecified
Manufacturer : Hebei Chinjoo Art Materials Technology Co., Ltd.
Region of Origin : China
Region of Destination : USA
Job Receiving Date : Aug. 29, 2022
Report Preparation Period : Aug. 30 ~ Sep. 5, 2022
Reference No. : TJHL2208007234ST

Service Requested

Toxicological Risk Assessment (TRA) for the said product.

Results

Please refer to the following pages.

Conclusion

Please refer to *Section IV: CONCLUSIONS*.

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Cindy (Yiting) Xie
Certified Safety Assessor of Cosmetics in EU
Diplomat of Certified Toxicologist, DCST
Diplomate of the American Board of Toxicology, DABT

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TOXICOLOGICAL RISK ASSESSMENT

The aim of this report is to assess the safety of the formulation of ACRYLIC GOUACHE – Paint in 14 Assorted Colors (Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose and Magenta) under normal and reasonable foreseeable conditions of use. The formulation is intended to be used for painting by the population of 6 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

According to the client's needs and to protect business secrecy, detailed formulation is NOT presented in this report, whereas they are recorded in the SGS Archives. In case of medical events, it is the client's responsibility to provide the formulation to a patient's physician, or SGS upon request may furnish relevant medical units, on a confidential basis, with information necessary to diagnose or treat cases of exposure without prior written authorization.

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: paint;
- Physical form: paste;
- Intended use (suggested use): painting;

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- Accessibility: this product may contact the consumer directly only in cases of accidental exposure;
- Exposure route(s): primarily via dermal contact, potentially eye contact;
- Default body weight: 21.7 kg (child), 60 kg (adult);
- Target population: the population of 6 years old and above.

Section III. RISK EVALUATION

The submitted formulation is intended to be used for painting, which is 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.

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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.

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 Standards Technical Services (Shanghai) Co., Ltd. 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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***** End of Report *****

Assessment Report

No. SHAHG2212759201

Date: Sep. 5, 2022

Page 1 of 4

HEBEI CHINJOO ART MATERIALS TECHNOLOGY CO., LTD.

NO. 1 CHINJOO RD, HENGDE INDUSTRIAL PARK, GUCHENG COUNTY, HEBEI, CHINA.

The following sample/information of the product was submitted and identified by the client as ACRYLIC GOUACHE (1 formulation and 13 additional colors).

Net Weight/Volume	:	5mL/6mL/12mL/18mL/21mL/22mL/59mL/60mL/ 75mL/100mL/120mL/200mL/250mL/500mL
Style/Item No.	:	Unspecified
Buyer	:	Unspecified
Manufacturer	:	Hebei Chinjoo Art Materials Technology Co., Ltd.
Region of Origin	:	China
Region of Destination	:	USA
Job Receiving Date	:	Aug. 29, 2022
Report Preparation Period	:	Aug. 30 ~ Sep. 5, 2022
Reference No.	:	TJHL2208007232ST

Service Requested

For compliance with Labeling of Hazardous Art Materials Act (LHAMA) and the criteria outlined in ASTM D-4236.

Results

Please refer to the following page(s).

Conclusion

The said product conforms to the health requirements of ASTM-D4236 and requires no additional labeling in accordance with the CPSC's Regulations as amended by the LHAMA. This product must bear the following statement of "**Conforms to ASTM D-4236**".

Assessment Report

No. SHAHG2212759201

Date: Sep. 5, 2022

Page 2 of 4

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



Cindy (Yiting) Xie
Certified Safety Assessor of Cosmetics in EU
Diplomat of Certified Toxicologist, DCST
Diplomate of the American Board of Toxicology, DABT

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Results:

The formulation of ACRYLIC GOUACHE – Paint in 14 Assorted Colors (Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose and Magenta) was reviewed according to the US Consumer Product Safety Commission's Regulation-16 CFR 1500.135 and the criteria outlined in ASTM D-4236.

In this review, the available data including the relevant data from the National Toxicology Program (**NTP**), International Agencies for Research on Cancer (**IARC**) and other sources in the National Library of Medicine Data Bank were considered to assess the need for chronic health hazard warning. The carcinogenicity, reproductive hazard, neurotoxicity, bioavailability and potential exposures were also considered and in the absence of specific data, a reasonable judgment was made to realistically assess the potential hazards of this component.

The review is based only on the submitted formula (*) including the CAS No. of each component and their concentration (% by weight). All the ingredients in this product are assumed to contain no contaminants or residues at level that would cause chronic toxicity among users when used as intended or under circumstances involving reasonable foreseeable misuse. If there is any alteration to this formula in this product, it will void this certification.

The formulation is intended to be used for painting by the population of 6 years old and above. None of ingredients at levels found in this product would be expected to cause chronic toxic effects in consumers during its normal and foreseeable use conditions according to the searches of the data sources and other information sources mentioned above. Based on all available information provided up to date and if the assumption mentioned above is correct, it's my opinion that the product would not be expected to pose any significant chronic adverse health effects to the consumer when it is used as intended or under reasonable foreseeable conditions of misuse. Consequently, the product conforms to health requirement of ASTM D-4236 and requires no additional labeling in accordance with the CPSC's Regulations as amended by the LHAMA.

Labeling Practice:**CONFORMS TO ASTM D-4236**

The validity of this review depends on the validity of disclosure by both the manufacturer of the components and that of the finished products. In addition, best professional capabilities are used in performing this review and if the client wishes to use this opinion with any alterations to the submitted formula, SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. or any of its employees will not be held reliable for any injury or damage resulting from this product. This review will need to be updated **every five years** or upon reformulation or upon change of new significant safety information. In addition, the submitted sample/information of the product should also be in compliance with US CPSC additional guidelines in all respects.

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

**According to the client's needs and to protect business secrecy, detailed formulation is NOT presented in this report, whereas they are recorded in the SGS Archives. In case of medical events, it is the client's responsibility to provide the formulation to a patient's physician, or SGS upon request may furnish relevant medical units, on a confidential basis, with information necessary to diagnose or treat cases of exposure without prior written authorization.*

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TEST REPORT

LAB LOCATION: Norwood, MA, USA

ISSUE DATE: August 11, 2022

REPORT NUMBER: 67322-080008

PAGE: Page 1 of 2

Applicant : BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd

Sample Description : 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)

Date of Submission : August 10, 2022

Test Performance Dates : August 10, 2022 - August 11, 2022

TEST RESULTS SUMMARY

Test Requested	Results
Toxicological Risk Assessment (US)	Please refer to the report.



Jongsei Park, Ph.D.

Fellow, Academy of Toxicological Sciences

UK Register of Toxicologists

European Registered Toxicologist (ERT)

Diplomate, American Board of Forensic Toxicology

CLD, American Board of Bioanalysis

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TEST REPORT

LAB LOCATION: Norwood, MA, USA
REPORT NUMBER: 67322-080008

ISSUE DATE: August 11, 2022
PAGE: Page 2 of 2

PHOTOGRAPH OF SUBMITTED SAMPLE



Note:

If there are questions or concerns regarding the test results, please contact:

Jongsei Park (Ph.D.; Chemist/Toxicologist)
Tel. 508-638-1793
Mobile 508-208-5994
Fax 508-638-1759
Email jongsei.park@mtsus.com

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BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd
85222000229 - ACRYLIC GOUAHCE
67322-080008

USA Toxicological Risk Assessment Report

TEST:

Evaluation of **"BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)"** for requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), and requirements for Toxicology Risk Assessments, 67322-080008.

Product Information:

According to the submitted ingredient list, **"BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)"** contains Acrylic acid polymers (CAS# 9003-01-4), 2-Amino-2-methyl-1-propanol (CAS# 124-68-5), 2-Methyl-4-Isothiazoline-3-one (CAS# 2682-20-4), Water (CAS# 7732-18-5), Propylene Glycol (CAS# 57-55-6), Calcium carbonate (CAS# 471-34-1), Pigment white 6 (CAS# 13463-67-7), Pigment black 7 (CAS# 1333-86-4), Pigment yellow 3 (CAS# 6486-23-3), Pigment red 4 (CAS# 2814-77-9), Pigment red 112 (CAS# 6535-46-2), Pigment red 13 (CAS# 6535-47-3), Pigment red 101 (CAS# 1309-37-1), Pigment brown 6 (CAS# 52357-70-7), Pigment blue 29 (CAS# 57455-37-5), Pigment orange 13 (CAS# 3520-72-7), Pigment yellow 1 (CAS# 2512-29-0), Pigment yellow 42 (CAS# 51274-00-1), Pigment violet 23 (CAS# 6358-30-1), Pigment Blue 15 (CAS# 147-14-8), Fluorescent Powder (CAS# 6441-77-6), Pigment Red 122 (CAS# 980-26-7) as a starting raw material.

Background:

Quantitative list of the ingredients in **"BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)"** was submitted to the reviewer. Specific physical and chemical form of the product, bioavailability, concentration, and the amount of each potentially chronic toxic component found in the formulation is determined from examination of the

formulation, labeling, packaging and instructions for use supplied by the manufacturer and from examination of the product.

The review of the formulation of the submitted “**BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)**” sample was conducted by a board-certified toxicologist, Jongsei Park, Ph.D. (Fellow, Academy of Toxicological Sciences, Diplomate, American Board of Forensic Toxicology, CLD, American Board of Bio-Analysis) according to the criteria defined in the U.S. Consumer Product Safety Commission (CPSC) Regulation.

In making this evaluation, Dr. Jongsei Park followed the Consumer Product Safety Commission, Guidelines for Determining Chronic Toxicity of Products Subject to the Federal Hazardous Substance Act. This review considered all the available data including the relevant data from the U.S. National Toxicology Program and the World Health Organization’s International Agency for Research on Cancer and other sources of information in the U.S. National Library of Medicine’s toxicology databases. All this information was used to assess the need for chronic health hazard warning including carcinogenesis, reproductive/teratogenetic hazards, neurotoxicity and other potential chronic adverse health effects.

Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to realistically assess the potential hazards of this material.

Exposure Assessment:

In evaluating acute and chronic toxic effects of each component and of the total formulation of “**BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)**” according to the information supplied, physical and chemical form, customary or reasonably foreseeable handling and use, including possible accident or misuse, and any adverse health effects of decomposition or combustion products were taken into account. Assessment of exposure was done using the applicable sections of U.S. Federal Hazardous Substance Act (FHSA)

regulations, guideline on 16 CFR 1500. The following exposure route(s) were considered: Inhalation, Oral ingestion and Dermal exposure.

Toxicity Assessment:

Generally accepted, well established scientific, epidemiologic and toxicological knowledge of the bioavailability, pharmacokinetics, toxic effects (acute and chronic) of each component and of the total formulation obtained as necessary through on-line access to the National Library of Medicine Toxicology data networks, including the Hazardous Substances Data Bank, the National Institute for Occupational Safety and Health Registry of Toxic Effects of Chemical Substances, the National Cancer Institute sponsored Chemical Carcinogenesis Research Information System, the U.S. Environmental Agency sponsored Integrated Risk Information System and Genetic toxicity file, the Oak Ridge National Laboratory Environmental Mutagen Information database and the U.S. EPA and NIEHS sponsored Developmental and Reproductive Toxicology/Environmental Teratology Information file were taken into account.

Opinions of various regulatory agencies and scientific bodies on the potential for chronic adverse health effects of the various components of the formulation obtained from the publications of these agencies and the data sources listed above were used for evaluation. To assess product's toxicity, well established safety factors of 10 – 100X for acute effects, 100 – 1000X for chronic health effects, 10^{-6} risk at the 95 % upper bound of a multistage model for reproductive toxicants, or limits were used in determining whether or not a product would require acute or chronic health hazard labeling.

Summary / Conclusion:

After reviews of the supplied information and risk assessment based on hazards, exposure potential, acceptable daily intake and appropriate safety factors, I found **"BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)"** contains 2-Methyl-4-isothiazoline-3-one (CAS# 2682-20-4) (0.03%) which carries the classification of Skin Sensitizer 1A at concentrations greater than or equal to 0.0015%, Skin Corrosion 1B and Eye Damage 1. It should carry the signal word, **"Danger,"** hazard statements "May cause an allergic skin reaction (H317)," at concentrations greater than or equal to 0.0015%, "Toxic in contact with skin (H311)," "Toxic if

swallowed (H301)," and "Causes severe skin burns and eye damage (H314)," and pictograms of



Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. Where containers of materials which require warning labels are packed in the point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: "Read cautions on individual containers carefully."

Date: Aug 11, 2022.

A handwritten signature in black ink, appearing to read "J. Park", written over a horizontal line.

Jongsei Park, Ph.D.

Fellow, Academy of Toxicological Sciences

UK Register of Toxicologists

European Registered Toxicologist (ERT)

Diplomate, American Board of Forensic Toxicology

CLD, American Board of Bioanalysis

TEST REPORT

LAB LOCATION: Norwood, MA, USA

ISSUE DATE: August 11, 2022

REPORT NUMBER: 67322-080007

PAGE: Page 1 of 2

Applicant : BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd

Sample Description : 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)

Date of Submission : August 10, 2022

Test Performance Dates : August 10, 2022 - August 11, 2022

TEST RESULTS SUMMARY

Test Requested	Results
Labelling of Hazardous Art Materials Act (LHAMA)	Please refer to the report.



Jongsei Park, Ph.D.

Fellow, Academy of Toxicological Sciences

UK Register of Toxicologists

European Registered Toxicologist (ERT)

Diplomate, American Board of Forensic Toxicology

CLD, American Board of Bioanalysis

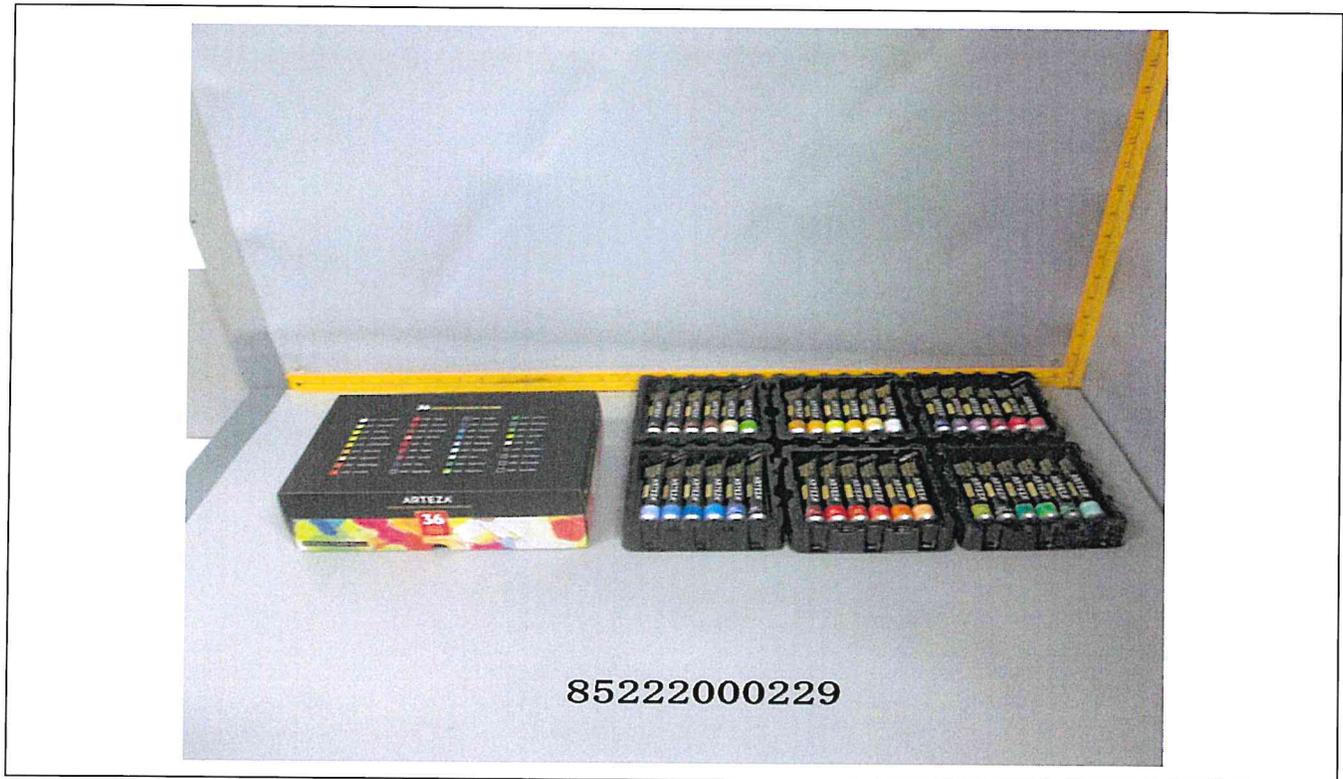
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TEST REPORT

LAB LOCATION: Norwood, MA, USA
REPORT NUMBER: 67322-080007

ISSUE DATE: August 11, 2022
PAGE: Page 2 of 2

PHOTOGRAPH OF SUBMITTED SAMPLE



Note:

If there are questions or concerns regarding the test results, please contact:

Jongsei Park (Ph.D.; Chemist/Toxicologist)
Tel. 508-638-1793
Mobile 508-208-5994
Fax 508-638-1759
Email jongsei.park@mtsus.com

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Labeling of Hazardous Art Materials Act (LHAMA) Certification

TEST:

Evaluation of “**BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)**” for requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), ASTM Designation D 4236-94 Standard Practice for Labeling Art Materials for Chronic Health Hazards, and the Consumer Product Safety Commission Labeling Requirements for Art Materials presenting Chronic Hazards (16 CFR 1500), 67322-080007.

Product Information:

According to the submitted ingredient list, “**BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)**” contains Acrylic acid polymers (CAS# 9003-01-4), 2-Amino-2-methyl-1-propanol (CAS# 124-68-5), 2-Methyl-4-Isothiazoline-3-one (CAS# 2682-20-4), Water (CAS# 7732-18-5), Propylene Glycol (CAS# 57-55-6), Calcium carbonate (CAS# 471-34-1), Pigment white 6 (CAS# 13463-67-7), Pigment black 7 (CAS# 1333-86-4), Pigment yellow 3 (CAS# 6486-23-3), Pigment red 4 (CAS# 2814-77-9), Pigment red 112 (CAS# 6535-46-2), Pigment red 13 (CAS# 6535-47-3), Pigment red 101 (CAS# 1309-37-1), Pigment brown 6 (CAS# 52357-70-7), Pigment blue 29 (CAS# 57455-37-5), Pigment orange 13 (CAS# 3520-72-7), Pigment yellow 1 (CAS# 2512-29-0), Pigment yellow 42 (CAS# 51274-00-1), Pigment violet 23 (CAS# 6358-30-1), Pigment Blue 15 (CAS# 147-14-8), Fluorescent Powder (CAS# 6441-77-6), Pigment Red 122 (CAS# 980-26-7) as a starting raw material.

Background:

Quantitative list of the ingredients in “**BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)**” was submitted to the reviewer. Specific physical and chemical form of the art material product, bioavailability, concentration, and the amount of each

potentially chronic toxic component found in the formulation is determined from examination of the formulation, labeling, packaging and instructions for use supplied by the manufacturer and from examination of the art material product.

The review of the formulation of the submitted **“BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)”** sample was conducted by a board certified toxicologist, Jongsei Park, Ph.D. (Fellow, Academy of Toxicological Sciences, Diplomate, American Board of Forensic Toxicology, CLD, American Board of Bio-Analysis) according to the criteria defined in the American Society for Testing Materials (ASTM) Standard D-4236 and the U.S. Consumer Product Safety Commission (CPSC) Regulation 16 CFR 1500.14.

This review considered all the available data including the relevant data from the U.S. National Toxicology Program and the World Health Organization’s International Agency for Research on Cancer and other sources of information in the U.S. National Library of Medicine’s toxicology databases. All this information was used to assess the need for chronic health hazard warning including carcinogenesis, reproductive/teratogenetic hazards, neurotoxicity and other potential chronic adverse health effects. Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to realistically assess the potential hazards of this material.

Exposure Assessment:

In evaluating acute and chronic toxic effects of each component and of the total formulation of **“BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)”** according to the information supplied, physical and chemical form, customary or reasonably foreseeable handling and use, including possible accident or misuse, and any adverse health effects of decomposition or combustion products were taken into account. Assessment of exposure was done using the applicable sections of U.S. Federal Hazardous Substance Act (FHSA) regulations, guideline on 16 CFR 1500.135. The following exposure route(s) were considered: Inhalation, Oral ingestion and Dermal exposure.

Toxicity Assessment:

Generally accepted, well established scientific, epidemiologic and toxicological knowledge of the bioavailability, pharmacokinetics, toxic effects (acute and chronic) of each component and of the total formulation obtained as necessary through on-line access to the National Library of Medicine Toxicology Data networks, including the Hazardous Substances Data Bank, the National Institute for Occupational Safety and Health Registry of Toxic Effects of Chemical Substances, the National Cancer Institute sponsored Chemical Carcinogenesis Research Information System, the U.S. Environmental Agency sponsored Integrated Risk Information System and Genetic Toxicity file, the Oak Ridge National Laboratory Environmental Mutagen Information Database and the U.S. EPA and NIEHS sponsored Developmental and Reproductive Toxicology/Environmental Teratology Information file were taken into account.

Opinions of various regulatory agencies and scientific bodies on the potential for chronic adverse health effects of the various components of the formulation obtained from the publications of these agencies and the data sources listed above were used for evaluation. To assess product's toxicity, well established safety factors of 10 – 100X for acute effects, 100 – 1000X for chronic health effects, 10^{-6} risk at the 95 % upper bound of a multistage model for reproductive toxicants, or limits were used in determining whether or not a product would require acute or chronic health hazard labeling.

It should be noted that this product contains Titanium dioxide (CAS# 13463-67-7) and Carbon black (CAS# 1333-86-4), which are listed on California Proposition 65. They are not in the form of airborne, unbound particles of respirable size and therefore, they do not need warning statements.

Summary / Conclusion:

After reviews of the supplied information and risk assessment based on hazards, exposure potential, acceptable daily intake and appropriate safety factors, I found **"BV SZ - Hebei Chinjoo Art Materials Technology Co., Ltd, 85222000229 - ACRYLIC GOUAHCE (Colors: Titanium White, Space Black, Aureolin Yellow, Tomato Red, Rose Madder, Burnt Sienna, Egyptian Blue, Bumblebee Yellow, Yellow Ochre, Burnt Umber, Navy Blue, Orange, Rose, Magenta)"** contains 2-Methyl-4-isothiazoline-3-one (CAS# 2682-20-4) (0.03%) which carries the classification of Skin Sensitizer 1A at concentrations greater than or equal to 0.0015%, Skin Corrosion 1B and Eye Damage 1. It should carry the signal word, **"Danger,"** hazard statements "May cause an allergic skin reaction (H317)," at concentrations greater than or equal to 0.0015%, "Toxic in contact with skin (H311)," "Toxic if

swallowed (H301)," and "Causes severe skin burns and eye damage (H314)," and pictograms of



and



Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. Where containers of materials which require warning labels are packed in the point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: "Read cautions on individual containers carefully."

Date: Aug 11, 2022.

Jongsei Park, Ph.D.

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