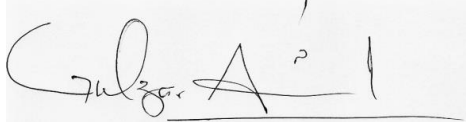


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**TOXICOLOGICAL RISK ASSESSMENT (TRA) &
LHAMA REVIEW (ASTM D-4236)**

Client: **Nova Color Inc.**
5894 Blackwelder St
Culver City, CA-USA 90232



Toxicologist: Dr. Gulzar Ahmad, Ph.D. DABT, CIH, ERT (past), CHMM, CSAC, CLS.
Diplomate American Board of Toxicology
Diplomate American Board of Industrial Hygiene
EUROTOX Registered Toxicologist (Past)
Certified Hazardous Materials Manager
Certified Safety Assessor for Cosmetics (Europe)
Licensed Clinical Laboratory Scientist (California)
Past/present member; ASTM, CTFA. ICMAD. NAMTA. CHA. NSSEA.



Director: Dr. Dildar Ahmad, M.D., ERT.

Product: **Nova Color** (54 Colors). Consumer package 5 gallons (Maximum).
101 Burnt Umber
103 Carbazole Dioxazine Violet
106 Indian Yellow
107 Hansa Yellow Light
108 Iron Oxide/Mars Black
110 Organic Pyrrole Orange
114 Alizarin Crimson Hue
115 Phthalo Blue (Red Shade)
115D Phthalo Blue Deep (Green Shade)
116 Phthalo Green
117 Raw Umber

117D Raw Umber Dark
119 Venetian/Iron Oxide Red
120 Yellow Green
122 Ultramarine Blue
126 Quinacridone Purple
129 Quinacridone Red
133 Bismuth Yellow
140 Payne's Gray
141 Mars/Iron Oxide Violet
143 Permanent Green Light
144 Azo Yellow Medium
147 Quinacridone Magenta
148 Super Pearl Gold
149 Transparent Red Iron Oxide
152 Stainless Steel
155 Golden Bronze,
171 Naphthol Crimson
175 Transparent Yellow Iron Oxide
176 Indanthrone Blue
177 Phthalo Green Yellow Shade
178 Arylide Benzimidazolone Yellow
180 Iridescent Base & Glaze
181 Quinacridone Violet
183 Bone/Ivory Black
184 Deep Green
187 Pyrrole Red
190 Fluorescent Magenta
194 Fluorescent Invisible Blue
199 Fluorescent Blue
204 Matte Medium
205 Matte Varnish
206 Gloss Medium & Varnish
207 Nova Gel
208 Matte Gel
209 Super Gel
213 Flex Gel
216 Exterior Varnish
217 Slow Dry Matte Liquid
233 Novaplex
235 Novaplex
250 Coarse Lava Gel
251 Lightweight Texture Paste
299 Acrylic Retarder

Intended Use: Painting and Creation of Art. For Adults only.

Introduction

The formulations of the “Paints”, (referenced above), were submitted to InfoTox International, Inc. on April 9, 2021 for the Toxicological Risk Assessments (TRA) and LHAMA review. The Toxicological Risk Assessments (TRA) and LHAMA review were conducted according to the US Consumer Product Safety Commission’s (CPSC) Regulation in 16 CFR 1500.3 for “**Acute Toxicity**”, and according to 16 CFR 1500.14(b) 8 {Labeling of the Hazardous Art Materials Act (LHAMA)} for “**Chronic Toxicity**”, by using the criteria outlined in **ASTM D-4236**.

The following Toxicological Risk Assessments (TRA) and LHAMA reviews are based on the general principals of toxicology which take into account, the available toxicological literature, anticipated exposures to users, the total quantities of each of the paints per consumer package (5 gallons maximum), the compositions of the paints and the intended and foreseeable conditions of use. The final conclusion is made on the basis of Consumer Product Safety Commission’s Regulations, referenced above, by using professional judgment.

While conducting these Toxicological Assessments, InfoTox utilized its best professional capability and resources available to it at the time of this assessment. Therefore, if the client wishes to use this opinion, InfoTox, any of its employees, and/or owners including the **US Board Certified Toxicologist(s)**, will not be held liable for any injury, and/or damage resulting from the use of this product, due to misinformation.

These Toxicological Risk Assessments (TRA) and LHAMA review are required to be updated every five years or upon any change in the formulations or knowledge of new significant Toxicological information. Moreover, in the event of any additional guidance, and/or recommendation from the CPSC, the client shall have to comply with that guidance in all respects.

Exposures Assessment

While assessing possible exposures to chemicals of concern, routes usually considered include, inhalation, eye contact, dermal contact, and ingestion. Considering the physicochemical properties, toxicological characteristics of the ingredients, and the intended use of the paints the exposures to the users are expected to occur mainly through skin contact and inhalation. The exposures through eye contact and ingestion are also possible, however, such exposures are expected to be minimal (non-significant), when the paints are used as intended.

Regulatory Background

No information could be found to suggest that any of the chemicals (ingredients) used in paints are prohibited or banned by the CPSC for such a use.

Toxicological Assessment

Oral Toxicity {FHSA Act {16 CFR 1500.3(c)(2) (i)(A)}.

The LD50s (oral, rat) of each of the paints are estimated to be between 2000 mg/kg and 5,000 mg/kg body weight. As such, the paints can be considered as “Slightly Toxic” through ingestion (Hodge and Sterner Scale).

Skin Irritation {FHSA at 16 CFR 1500.3(c)(4)}

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients, direct contact of the paints with the skin is not expected to cause irritation of any significance among general consumer population. However, it may cause irritation among individuals with sensitive and/or with broken skin.

Eye Irritation {FHSA at 16 CFR 1500.3(c)(4)}

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients of the paints, direct contact with the eyes can cause irritation, predominantly of mechanical in nature.

Respiratory tract Irritation {FHSA at 16 CFR 1500.3(c)(4)}

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients, no respiratory tract irritation is expected to occur when the paints are used with brushes or rollers. However, inhalation of the mist generated during spraying may cause respiratory tract irritation or even serious injury.

Corrosion {FHSA 16 CFR 1500.3 (b)(7)}

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients of the paints, direct contact with the soft tissue is not expected to cause corrosion.

Sensitization {FHSA at 16 CFR-1500.3(c)(5)}

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients of the paints, exposure to users is not expected to cause allergic reaction

among general consumer population, however, it may cause allergic reaction among certain sensitized individuals.

Chronic Toxicity {FHSA 16 CFR 1500.14(b) 8} (ASTM D-4236)

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients, the paints do not contain any material in quantity sufficient enough to cause chronic toxicity among users, when used as intended.

Summary of the Toxicological Risk Assessment and LHAMA review.

Considering the compositions, the physico-chemical and toxicological characteristics of the ingredients, and that of the final products, the following toxicological effects are expected to occur among general consumer population, when used as intended.

Oral Toxicity (16 CFR 1500.3(c) (2) (i)(A):	Not Expected
Eye Irritation (16 CFR 1500.3(c)(4)	Not Expected
Skin Irritation (16 CFR 1500.3(c)(4)	Not Expected
Respiratory Irritation (16 CFR 1500.3(c)(4)	Not Expected
Allergic reaction (16 CFR 1500.3(c)(5)	Possible among certain sensitized individuals
Corrosion per 16CFR 1500.3 (b)(7)	Not Expected
Chronic Toxicity {FHSA 16 CFR 1500.14(b) 8}	Not Expected



Nova Colors (referenced above)

CONCLUSION OF THE TRAs & LHAMA (ASTM D-4236) REVIEWS.

1. Conclusion of the TRA

No "**Acute Toxicity**" of any significance is anticipated among general consumer population when the "**Nova Color Paints**", referenced above, are used as intended. Consequently, the paints can be considered as "**Reasonably Safe**" for their intended use. However, they may cause allergic reaction among certain sensitized individuals.

2. Conclusion of LHAMA (ASTM-D4236) Review

The "**Nova Color Paints**", referenced above, do not contain any material in quantity sufficient enough to cause **Chronic Toxicity** among users when used as intended. Consequently, the paints conform to the health requirements of ASTM D-4236, as mandated by LHAMA and can be labeled as "**Conforms to ASTM D-4236**".

Recommended Precautions: Avoid contact with eyes and skin. Avoid breathing dust and mist. Observe standard hygiene practices. If any symptom occurs discontinue use. If the symptom persists consult your physician.



End of the Report

Important note:

This report can only be used in its entirety. Partial use of this report will make the entire report invalid.