



ASTM D-4236 EVALUATION FOR MARKERS

Company : NINGBO SHIMAOTONG INTERNATIONAL CO.,LTD.

Room 1203, Building 004, 495 Jiangdong North Road, Yinzhou District, Ningbo City, Zhejiang Province.

Date: November 17, 2022.

Details of Product: Description: Markers.
Reference No(s): --
Physical form : liquid.
Net weight or volume: 30g.
Client Request Age Grade :3 years+.

EXECUTIVE SUMMARY.

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

Based on the provided art material formulation, the sample was evaluated to the requirements of the LHAMA regulation in accordance with 16 CFR 1500.14 and ASTM D4236 "Standard Practice for Labeling Art Materials for Chronic Health Hazards" by a toxicologist.

Note:

The submitted formulation would not be expected to pose any significant chronic adverse health effects to humans when it is used as intended or under circumstances involving reasonable foreseeable misuse. The product(s) will not require any additional chronic health hazard labeling according to ASTM D4236. The product(s) must bear the following statement:

"Conforms to ASTM D4236"



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Results:

Exposure Assessment and Considerations:

Evaluation of **NINGBO SHIMAOTONG INTERNATIONAL CO.,LTD PIGMENT SET** or requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), LHAMA (16 CFR 1500.14) and ASTM D4236.

In making this evaluation Oneil M. Banks, Ph.D., CIH, DABT (certified by the American Board of Toxicology in General Toxicology 1980-2005) followed the Consumer Product Safety Commission, Guidelines for Determining Chronic Toxicity of Products Subject to the Federal Hazardous Substances Act and NOHSC:1008(2004) Chapters 4 & 5 health effects criteria for classifying a substance on the basis of its health effects.

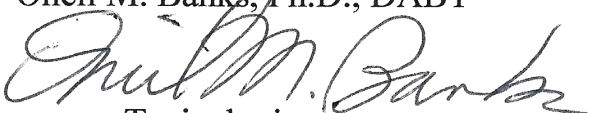
According to information supplied **NINGBO SHIMAOTONG INTERNATIONAL CO.,LTD PIGMENT SET** contains: Polymerized Rosin * (CAS No. 65997-05-9), 1,2-Propanediol (CAS No. 57-55-6), Glycerol (CAS No. 56-81-5), 1-Methoxy-2-Propanol (CAS No. 107-98-2), Ethanol (CAS No. 64-17-5), Solvent Blue 5 (CAS No. 1325-86-6), Solvent Red 122 (CAS No. 12227-55-3), Solvent Blue 70 (CAS No. 12237-24-0), Solvent Yellow 79 * * (CAS No. 12237-31-9).

After review of the supplied information, and risk assessment based on exposure. potential, acceptable daily intake and appropriate safety factors, Oneil M. Banks, Ph.D., DABT (certified by the American Board of Toxicology in General Toxicology1980-2005) finds Zhejiang RTS Test Co., LTD PIGMENT SET is not explosive, oxidising, extremely or highly flammable, very toxic, harmful, corrosive, sensitising, irritating to the skin or eyes, carcinogenic, mutagenic, toxic for reproduction or dangerous for the environment, and will not pose acute or chronic adverse health effects in humans when used as intended

NINGBO SHIMAOTONG INTERNATIONAL CO.,LTD PIGMENT SET complies with requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), LHAMA (16 CFR 1500.14) and ASTM D4236.

Remark:

The above result was performed at a Bureau Veritas CPS approved subcontract lab.

Oneil M. Banks, Ph.D., DABT

Toxicologist

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