

## Test Report

No. SHACPCH1315157592

Date: April 6, 2014

### TOXICOLOGICAL RISK ASSESSMENT

#### INTRODUCTION

SGS is requested to review the safety of the product formula of HOLI COLORS POWDER for consumer health and no other part of the product. The product is for EU market and intended to be used as festival colors, which may be used to throw at each other during the festival time by all age group of the population. Detailed formulation is submitted by the client as in Section I.

#### LITERATURE SOURCES

This review was compiled by using information gathered from raw material suppliers where possible and various online databases, such as the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), TOXNET and related areas from the US National Library of Medicine; detailed references are not reported here but are recorded in the SGS Scientific Archives.

#### Section I : FORMULA

*According to the client's needs and to protect business secrecy, detailed formulations are 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 formulations 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.*

#### Section II: CONSUMER HEALTH RISK ASSESSMEN

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

##### Consumer Exposure Scenario

The following assumptions have been made for assessment of exposure:

- \_ Product category: unity color powder;
- \_ Physical form: colored powder;
- \_ Intended use (suggested use): throwing at each other for fun;
- \_ Accessibility: this product will contact with the consumer directly;
- \_ Frequency of use: seldom and only to be used at specific festival time (per client's indication);
- \_ Exposure route(s): primarily via dermal contact with considerable amount of inhalation;
- \_ Amount per application: 50 g;
- \_ Exposure duration: leave on and remove at the end of day;
- \_ Default body weight: 15 kg (child); 60 kg (adult);
- \_ Target population: all age group of the population.

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### Risk Characterization for Consumer Health

#### Local Effects

- Irritation** Not expected to cause irritation by skin contact under normal and reasonably foreseeable condition of use. The particulate matter within the product may cause a foreign body reaction if it accidentally enters the eye. Considerable amount of powder is expected to be inhaled during usage, while most of them will only get to the upper nasal cavity (per client's indication the powder size is of 100 mesh) and may cause irritation to upper tract of inhalation.
- Sensitization** Exposure to the formulation as supplied is unlikely to produce sensitization by skin contact in the majority of the consumers.
- Phototoxicity** Exposure to this product is unlikely to result in phototoxic effects.

#### Oral toxicity

By accidental ingestion of small amount of this product, it is unlikely to cause significant adverse health effects to oral cavity and gastrointestinal tract.

#### Systemic Effects

It is unlikely to cause damage to internal organs through skin/inhalation under normal and reasonably foreseeable conditions of use.

#### Joint Toxic Action

Based on current knowledge, joint toxic action is not anticipated.

### Section III : CONCLUSIONS:

In accordance with EU Dangerous Substances and Preparations Directive as amended by Regulation (EC) No. 1272/2008, above-mentioned formulation is NOT classified as dangerous. The ingredients used shall fulfill corresponding purity requirements. It is also assumed that the ingredients in this product contain no contaminants or residues at level that would be toxic, irritating to the skin, eyes or mucous membranes, or cause a sensitization reaction in a consumer who may be exposed. None of the disclosed ingredients in the formulation is classified as carcinogenic, mutagenic and toxic to reproduction (CMR) Cat. 1A, 1B or 2 under Regulation (EC) No. 1272/2008.

Therefore, 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 provided it was labeled accordingly as below.

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### Safety Labelling:

Keep powder away from children's nose and mouth when intended to be used for children under three years of age.  
Rinse off eyes immediately if accidental entering into them.

The validity of this review depends on the validity of disclosure by both the manufacturer of the components and that of the finished products. 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 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 **two** years or upon reformulation or upon change of the new significant safety information.

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

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