

Toxicological Assessment of

PVA Beads in (1) Regular-Purple, (2) Regular-Process Blue, (3) Regular-Skin, (4) Regular-Orange, (5) Regular-Dark Grey, (6) Regular-Light Grey, (7) Regular-Green, (8) Regular-Red, (9) Regular-Black, (10) Regular-Brown, (11) Regular-White, (12) Regular-Yellow, (13) Regular-Pink, (14) Regular-Light Blue, (15) Glitter-Pink, (16) Glitter-Orange, (17) Glitter-Purple, (18) Glitter-Green, (19) Glitter-Blue, (20) Glow-in-the-Dark-Blue, (21) Glow-in-the-Dark-Orange, (22) Glow-in-the-Dark-Yellow, (23) Glow-in-the-Dark-Green, (24) Glow-in-the-Dark-Red, (25) Metallic-Red, (26) Metallic-Blue, (27) Metallic-Purple, (28) Metallic-Orange, (29) Metallic-Green, (30) Transparent-Purple, (31) Transparent-Green, (32) Transparent-Yellow, (33) Transparent-Red and (34) Transparent-Blue.

This safety assessment relates to the formulation described below. If the information below is incorrect, please amend and resubmit for reassessment.

Moose Far East Limited
 Suite 720, 7/F, Chinachem Golden
 Plaza,
 77 Mody Road,
 Tsim Sha Tsui East,
 Kowloon, Hong Kong

Formulation Ref: HJ00643463

CONSUMER EXPOSURE

| | |
|--|---|
| Product Class | PVA beads |
| Physical form | Solid |
| Amount of product used per application | 2g per application |
| Part of body exposed to undiluted product | Hands possible ingestion |
| Frequency of exposure to undiluted product | Several times a day |
| Time of exposure to undiluted product | Surface contact but product integrity remains |

This product has been assessed taking into account that it will be used by children age three years and above.

PRODUCT FORMULATION

The chemical names shown below refer to the raw materials used to formulate this product. The identity of the raw materials is not necessarily based on the International Nomenclature of Cosmetic Ingredients (INCI) and does not represent the INCI listing that must be shown on the product label and is for assessment purposes only. An outline INCI label can be prepared on request.

| Chemical Name | Conc | % Active | Active in Product | CAS No | Einecs No |
|---------------|------|----------|-------------------|--------|-----------|
|---------------|------|----------|-------------------|--------|-----------|

SAFETY LABELLING

Do not put into the mouth.

TOXICOLOGICAL & REGULATORY REVIEW

Information provided by the client claims the bead is soluble in water.

The product consists of a well known a cosmetic and toy colorants. There is only one concern relates to ingestion as the constituents within this product will become bioavailable. An embittering agent is used in this product. The supplier should demonstrate and ensure that the embittering agent is effective in its application throughout the lifetime of use of this product before this product enters the marketplace.

It is advised for the final product to carry out an additional testing to be able to comply with the British Standard Toys Regulation;

- a. EN71-1 (Mechanical and physical properties)
- b. EN71-2 (Flammability)
- c. EN71-3 (Migration of certain elements)
- b. EN71-9 (Organic chemical compounds - Requirements)

Presence of cadmium and phthalates in the plastic compound.

Effects of the product as supplied on the skin

The formulation as supplied may cause only minimal skin irritation even if exposure is prolonged and/or repeated.

Repeated exposure to the formulation as supplied is unlikely to produce allergy by skin contact.

Exposure to this product is unlikely to result in phototoxic effects.

Unlikely to cause damage to internal organs following absorption through the skin.

Effects of the product as supplied on the eye

Accidental exposure of the eye to the formulation as supplied may result in slight eye irritation.

Effects following ingestion of the product as supplied

The formulation as supplied if swallowed is likely to cause irritation to the mouth and upper digestive tract.

Effects of inhaling the product

Inhalation is an unlikely route of exposure

Overall product safety statement

This toy is not classified as a Dangerous Preparation as per the health criteria of European Directives 67/548/EEC and 1999/45/EC. Taking to account typical ways children play with toys, the toy is unlikely to cause harm.

Under normal or reasonably foreseeable conditions of use, product made to this formulation is unlikely to produce an abnormally high number of adverse reactions. The product will give users the level of safety they can reasonably expect.

Do not put into the mouth.

Toys Toxicological Safety Assessor

Intertek

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Date: 09 Jan 2008

INGREDIENT TOXICOLOGY REVIEWS

| Chemicals present | Conc | Toxicological Summary | Classification | OEL |
|-------------------|------|-----------------------|----------------|-----|
|-------------------|------|-----------------------|----------------|-----|