

# Toxicological Assessment of Colouring Wall Board & Crayons CAS 360 - Labelling Adhesive

**Supplier** KEEKO KIDS

## Assessment of exposure

Product Class	Toy adhesive
Physical form	Thixotropic liquid
Amount of product used per application	200 mg per application
Part of body exposed to undiluted product	Hands
Frequency of exposure to undiluted product	Several times a day
Time of exposure to undiluted product	Washed off at the end of the session

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

## Composition of the product

Chemical name	Conc %	%active	Active in Product	CAS No	Einecs No
AQUA	53	100.0000	53	7732-18-5	231-791-2
MILK CASEIN & STARCH	46.95	100.0000	46.95		
PHENOXYETHANOL & METHYLPARABEN & BUTYLPARABEN & ISOBUTYLPARABEN & PROPYLPARABEN & ETHYLPARABEN	0.05	5.0000	.0025	8066-38-4 / 122-99-6 (&) 99-76-3 (&) 120-47-8 (&)	

The chemical names in the above table identify the specific chemicals used to formulate this product and which have been taken into account in the toxicological assessment. Where possible INCI names are used but it must be recognised that INCI is for ingredient declaration and the same chemical can have several different INCI names. Also, the same INCI name can apply to several different chemicals often with different physical and toxicological properties. In order to identify the specific chemicals used, the above chemical names may differ from the names used for labelling purposes. Where possible, the active concentration of the ingredient is used. The assessment takes into account typical manufacturing tolerances/adjustments.

## Assessment of toxicity

### Overall toxicity rationale

This product is intended for use by children and is likely to be left on the skin for 1-2 hours. For this reason, although it is not a cosmetic product, exposure will be similar to a leave-on cosmetic product and therefore it should comply with EU Cosmetic Regulations. This product is an aqueous mixture of milk proteins and starch, neither of which are likely to produce adverse effects. The preservative in this mixture is one commonly used in cosmetics and at the concentration present is unlikely to give rise to either irritation or allergy.

### 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 unlikely to cause long-term harm.

### Effects of inhaling the product

Inhalation is an unlikely route of exposure

### Overall product safety statement

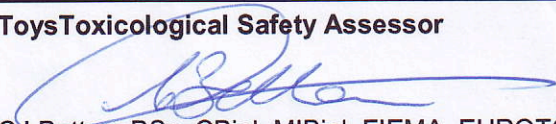
This toy is not classified as a Dangerous Preparation as per the health criteria of European Directives 67/548/EEC and 88/379/EEC. Taking into account typical ways children play with toys, the toy is unlikely to cause harm.

Keep away from eyes.

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.



**Toys Toxicological Safety Assessor**

  
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Date Dec 10, 2004

**Intertek**  
Labtest

## Colouring Wall Board & Crayons CAS 360 - Labelling Adhesive

### Information on the raw materials

<i>Chemicals present</i>	<i>% active in product</i>	<i>Tox summary on active</i>	<i>Cosmetic Regulatory control</i>
Aqua	53	Simply water unlikely to cause irritation, allergy or harm.	
Milk Casein & Starch	46.95	This is a mixture of milk protein (casein) and starch. Casein is a complex combination produced in mammary tissue from amino acids supplied by the blood. It contains several proteins, phosphorus, and calcium. Minimally irritating to skin and eyes but may have some allergenic potential. Toxicological information on the structol is not available.	
Phenoxyethanol & Methyparaben & Butylparaben & Isobutylparaben & Propylparaben & Ethylparaben	.0025	A well used preservative tolerated by most consumers. Maximum 1.0% 2-phenoxyethanol and 0.5% (acid) hydroxybenzoic acid, salts and esters permitted in all products.	Approved preservative  Use Concentration controlled