

# INFORMATION ON 'GLOWSTICK' PRODUCTS SUPPLIED AT THE FHWJS DISCO's

## PRODUCT SAFETY & CERTIFICATION

You will be happy to know that all GLOWSTICK products supplied at the Hatch Warren Junior School DISCO's were purchased under the assurance of being CE En71 certified and all battery operated products conformed to the latest RoHS (Restriction of Hazardous Substances) regulations.

## SAFETY INFORMATION

GLOWSTICK are aware that there are cheaper products of a lower quality available on the market which are deemed dangerous and banned in the UK even though, they can appear safe by their claims & even the packaging, yet many do not conform to UK regulations - so please check as cheap prices often mean cheap products.

*ALL products are suitable for ages 3+ unless otherwise stated*

*ALL products supplied by GLOWSTICKS.CO.UK are FULLY UK CERTIFIED*

- \* GENUINE EN71 BRITISH TOY APPROVED
- \* RoHS COMPLIANT
- \* DO NOT CONTAIN BANNED CHEMICALS
- \* GENUINE CE APPROVAL
- \* SAFE
- \* NON-TOXIC
- \* NON-FLAMMABLE
- \* COOL TO THE TOUCH
- \* FULLY UK APPROVED - we can supply full certification on request.

## GLOW PRODUCT USAGE GUIDELINES

Although GLOWSTICK products are safe, they do recommend that they are used appropriately:

- \* Follow instructions & guidelines on product packaging
- \* They recommend products are not used by children under 6 years of age
- \* Kept in wrapper until ready to use
- \* Do not puncture or cut the product as contents can stain fabric & furniture
- \* Do not expose to direct sunlight or high temperatures
- \* Retain packaging for future reference (FHWJS will keep packaging)
- \* **The consumer must not bite, drink or ingest the contents of any GLOWSTICK products; as this may cause temporary discomfort to skin or eyes**
  - Rinse thoroughly with clean water & seek medical assistance if required
- \* **After any school DISCO please dispose of the GLOWSTICK product responsibly**

## HOW DO GLOW STICKS WORK?

All 'GLOWSTICK' glow sticks depend on a chemical process known as CHEMICALUMINESCENCE to produce their light. Chemiluminescence is a chemical reaction that causes a release of energy. Electrons in the chemicals become excited and rise to a higher energy level. When the electrons drop back to normal levels, they produce energy in the form of light.

GLOWSTICK products are 100% UK CERTIFIED & contain hydrogen peroxide and tert-butyl alcohol. Fluorescent dyes are also used to alter the colour of the glow.

The hydrogen peroxide is contained in a very fine glass tube that floats within the mixture inside the plastic glow stick product. This is why you must bend a glow stick to make it start glowing. When the stick bends, the glass vial breaks; the hydrogen peroxide is released and the chemical reaction begins which is where you see a fantastic glow.

The duration of the glow sticks luminosity will vary depending upon the type of liquids used, the exact composition and also the quality of the liquids inside. Temperature also affects the intensity of the glow - the warmer it is the brighter the glow & the colder it is the glow stick will glow less.

## RECYCLING & PRODUCT DISPOSAL OF FLASHING PRODUCTS

GLOWSTICK strongly recommend that once their flashing products have reached the end of their useful life that they are taken to your local recycling centre.