

**REFLECTIVE PAINT MATERIAL SAFETY DATA SHEET (MSDS)**

**Manufacturers Name** : Bastion Paint cc  
**Street Address** : 9 Crest Road, Salt Rock  
4391, South Africa  
**Emergency Telephone No** : +27 (0)32 525 4491

**SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / PREPARATION**

**Trade Name** : Reflective Paint  
**Product Class** : Transparent water based acrylic paint that reflects light back towards the light source.

**Product use description** : Used for safety and alert applications in poor light conditions. Alerts the person at the light source to the object that has been painted with it. For application onto a variety of substrates.  
White in container, transparent when dry.

**SECTION 2 – COMPOSITION INFORMATION ON INGREDIENTS**

**This product is a preparation of numerous blended chemicals. In the concentrations present no individual chemicals are regarded as hazardous.**

**SECTION 3 – HAZARDS IDENTIFIED**

These products are not hazardous but they will impart a visible colour to water.

**SECTION 4 – FIRST AID MEASURES**

**Inhalation**: Move to fresh air

**Eye contact**: Wash with plenty of water for 15 minutes. If irritation persists consult a physician.

**Ingestion**: Small amounts – drink 1-2 glasses of water.

Larger amounts - consult a physician

Never give anything by mouth to an unconscious person

## **SECTION 5 – FIRE FIGHTING MEASURES**

**This product is non-flammable. There is zero explosion risk.**

In the event of a fire very high temperatures may evaporate all the water and other liquids from spilt product. Even the dry ingredients are not readily flammable but thermal decomposition of some dry ingredients may occur.

Suitable extinguishing media: Use extinguishing media appropriate to surrounding fire.

Specific hazards during fire: Melted containers may lead to spilled product and slippery conditions. If a large number of containers are present in a confined space then fire fighters should wear self-contained breathing apparatus and protective suits.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Avoid slipping.

Avoid contact with clothing that should not be stained.

### **Environmental precautions**

**CAUTION: Keep spills and run off out of municipal sewers and open bodies of water.**

### **Method for cleaning up**

Contain spills immediately with inert materials (sand, earth). Due to the high product viscosity, spills will not be fast flowing. Recover uncontaminated paint for re-use.

Transfer contaminated liquids and solid diking material to separate containers for use, recovery or controlled disposal. Normally this paint can be easily dried and disposed of as solid waste.

## **SECTION 7 – HANDLING AND STORAGE**

### **Handling:**

Avoid eye contact and excess skin contact

Clothing may be permanently marked

Use in ventilated areas (as per normal paint)

Keep out of reach of children

### **Storage:**

Temperature: 1-49 degC. Do not freeze.

Store upright in sealed containers.

Can be stored for 2 years below 25 degC (stir before use).

Higher storage temperatures may reduce stable storage time.

## **SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Eye protection:** Safety glasses are recommended when painting (especially spray painting). Have running water available nearby.

**Area of use should have adequate ventilation.** A slight headache or nausea after prolonged exposure may indicate inadequate ventilation. Move to fresh air and improve ventilation before continuing (as per normal paint).

**Hand protection:** Not required but avoid excess contact with skin.

**Respiratory protection:** Not required unless no ventilation is possible when actually painting and during first hours of drying. This is more applicable to painting large surface areas such as the inside walls of buildings.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:** Viscous liquid

**Colour:** White colour in liquid form

**Odour:** Typical water based paint smell. Coalescing agent (NX795) dominates the odour when drying.

**pH:** 8.0-8.9

**Boiling point:** >100 degC

**Melting point:** -3 degC

**Flash point:** Non-combustible

**Lower explosion limit:** Not applicable

**Higher explosion limit:** Not applicable

**Relative vapour density:** <1.0 water

**Water solubility:** Not soluble: Can be diluted with water. Contains emulsion and suspended solids

**Relative density:** 1.5 – 1.8

**Evaporation rate:** <1.0 water

**Percent volatility:** Aprox. 30% (mainly water but also 4-5% non-flammable solvents)

Note: the physical data presented are typical values and should not be constructed as a specification.

## **SECTION 10 – STABILITY AND REACTIVITY**

**Hazardous reactions:** None known. Stable

**Materials to avoid:** None know.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

No data is available for this material.

LD50 values will be in the range of normal decorative/architectural acrylic (water based) paints.

## **SECTION 12 – ECOLOGICAL INFORMATION**

No data is available for this material.  
LC50 values will be in the range of normal decorative/architectural acrylic (water based) paints.

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

### **Environmental precautions**

Keep spills and run off out of municipal sewers and open bodies of water.

### **Disposal**

Allow product to dry in flat open containers and dispose of dry material as solid waste according to local legislation.

Dispose of containers in accordance with local legislation.

## **SECTION 14 – TRANSPORT INFORMATION**

**Not regulated. Not dangerous for transport.** As far as known this is the case in all countries.

If transporting large quantities (greater than 100 litres) then please consult relevant regulations of the applicable country.

Bulk transport spills may lead to slippery road conditions.

In the event of long distance transport secure buckets and containers in an upright position using straps or other applicable means. Containers that are allowed to fall over, roll around or be subject to shock-force may leak.

In the event of long distance transport in an uncontrolled environment, such as via courier in a parcel, then tape pull-off lids up firmly to prevent accidental spills if parcel is bumped or dropped very hard. Package parcels in such a way that accidental leaks will not penetrate the outside of the parcel. This is the responsibility of the party initiating the transport.

## **SECTION 15 – REGULATORY INFORMATION**

No hazard label as product is not hazardous.

## **SECTION 16 – OTHER INFORMATION**

This product is non-radioactive.

This information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate and buyer may rely thereon only at buyer risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling and use.

**Name** : Brian Quicke

**Revision Date** : 12 April 2017

**Title** : Member (BSc Chemistry, honours)

**Signature:** \_\_\_\_\_