



## MATERIAL SAFETY DATA SHEET

### 1.1 Introduction Details:

Date of Issue : 28<sup>th</sup> April 2014  
Version : 01

### 1.2 Product Details:

Product Name : **MCR Acryfine 1000M**  
Trade Name : MCR Acryfine 1000M  
Chemical Name : Not applicable  
Chemical Formula : Mixtures  
Molar Mass : Mixtures  
Vehicle : Acrylic Binder  
Manufacturer's Code : Depending on Colour(s)  
Use : Surface Coating

### 1.3 Manufacturer / Sales & Marketing Identification:

Marketed by : Inter-Span Marketing Pte Ltd  
Address : 7030 Ang Mo Kio Ave 5  
NorthStar@AMK #09-100  
Singapore 569880  
  
Telephone Number : +65 - 64814559  
Fax Number : +65 - 64810226

### 1.4 Contact Point

Should you require any information or clarification, please contact the Technical Department or our assigned Sales Personnel.

## SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportions	Exposure Limit (TLV-ACGIH)mg/m <sup>3</sup>
Polymer	N/A	Medium 10-60%	None
Titanium Dioxide	13464-67-7	Medium 10-60%	10
Marble Chips	Mixture	Medium 10-60%	R48/20, Carc. Cat. 1 R49
Water	7732-18-5	Medium 10-60%	None

## SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Paste; White/ Coloured  
Solubility : Soluble/ Dilutable in water  
Boiling Point : 100°C (water)  
Freezing Point : 0 °C  
Vapour Pressure : Greater than 17 (mmHg at 20 °C)  
Vapour Density : Heavier than air (Greater than 1)  
Specific Gravity : 1.5 – 1.8  
Flash Point : Not Applicable

#### SECTION 4: HAZARD IDENTIFICATION

Flammability	:	Non-flammable
Health	:	Prolonged exposure may irritate skin, eyes, respiratory tract
Stability	:	Stable under normal storage conditions
Hazardous Polymerization	:	Will not occur
Hazardous Decomposition Products	:	NA
Conditions to Avoid	:	Keep from freezing
Incompatibility	:	Strong Oxidizers, Alkalis, Acids

#### SECTION 5: FIRST AID MEASURES

Ingestion :	If accidentally swallowed, DO NOT INDUCE VOMITTING. Keep at rest and obtain medical attention.
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelid open. Do not use an eye ointment. Seek medical attention.
Skin contact :	Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition. Remove contaminated clothing – launder before reuse. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Get medical attention if redness or irritation occurs.
Inhalation :	Prolonged inhalation may cause headaches, dizziness, anaesthesia. Drowsiness, unconsciousness and other central nervous system effects. Evacuate the victim to a safe area as soon as possible. If the victim is not breathing, perform mouth to mouth resuscitation. Administer oxygen if available. Allow victim to rest in a well ventilated area. Seek medical attention.

#### SECTION 6: FIRE FIGHTING MEASURES

Extinguishing Media :	Recommended – alcohol foam, carbon dioxide, powders.
Fire-fighting Instruction :	Cool the container in water spray in order to prevent pressure build-up, auto ignition or explosion. Avoid flushing spilled material into sewers, stream or other bodies of water. For small outdoor fires, portable fire extinguishers may be used, and self contained breathing apparatus may not be required. Respiratory and eye protection are required for fire fighting personnel.
Explosion Hazards in Presence of Various Chemicals :	Flash Point : >100 °C Auto-Ignition Temperature : Not Known Upper Explosion Limit % : Not Known Lower Explosion Limit % : Not Known

NOTE : Material can splatter above 100 °C, polymer film can burn.

#### SECTION 7: ACCIDENTAL RELEASE MEASURES

Leak/Spill :	Keep spectators away and avoid breathing vapours or dust. Floor may be slippery: use care to avoid falling. Dike and contain spill with inert materials (e.g. sand). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and open bodies of water.
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#### SECTION 8: HANDLING AND STORAGE

Handling :	Avoid smoking and use of open fire. Avoid inhalation of vapours and contact with skin and dyes. Observe good industrial practices.
Storage :	Store in tightly close original container in well-ventilated area. Avoid exposure to direct sunlight. Minimum temperature : 1 °C Maximum Temperature : 40 °C (constant temperature)

## SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

### PERSONAL PROTECTION

Eye/Skin Protection:	Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available. Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Wear a face shield and chemical resistant clothing such as rubber apron when splashing is likely.
Respiratory Protection:	Use JKKP/NIOSH approved respiratory protection (full face piece recommended) when exposure limits are exceeded.
Ventilation :	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. If practical, use local mechanical exhaust ventilation at source of air contamination such as open process equipment.

## SECTION 10: STABILITY AND REACTIVITY

Conditions to Avoid :	Freezing, excessive heat.
Incompatibles :	Nitric acid, sulphuric acid, strong oxidizing agents.
Decomposition Product :	Carbon dioxide, carbon monoxide, chlorine.
Hazardous Polymerisation :	Product is stable and hazardous polymerization will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

Low VOC product. VOC level is however, not regulated.

## SECTION 12: ECOLOGICAL INFORMATION

Mobility :	Sink in water
Bioaccumulation :	Contains components with the potential to bio-accumulate.
Biodegradability :	The solvent is readily biodegradable, but the product contains components that are persistent in the environment.
Toxicity :	None

## SECTION 13: DISPOSAL INFORMATION

Waste material and containers must be treated as a fire hazard and disposed off in accordance with all applicable national environmental laws and regulations.

## SECTION 14: TRANSPORT INFORMATION

Non – DG cargo.

## SECTION 15: REGULATORY INFORMATION

Store at constant ambient temperature.

## SECTION 16: OTHER INFORMATION

The information contained in this Material Safety Data Sheet is based on the present state of knowledge at the time of publication. The supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release measures. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use.