

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Adgreencoat GPσ-009 (White)
Type : Waterborne Acrylic emulsion Type Coating
Manufacturer's Name : NCK GLOBAL PAINT PTE, LTD.
Address : 4Shenton Way #18-01/02 SGX Centre2 Singapore 068807
Telephone Number : (65)6591-9550
Fax Number : (65)6862-3556
Company Reg. No. : 201407436N

SECTION 2 : HAZARDS IDENTIFICATIONPHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

Non flammable.

HEALTH HAZARDS

No evidence of harmful effects from available information for effects of single or repeated overexposure.

ENVIRONMENTAL HAZARDS

Long term adverse effects to environment are not expected.

**SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS**

<u>INGREDIENTS</u>	<u>CAS No.</u>	<u>WEIGHT %</u>	<u>SYMBOL</u>	<u>RISK PHRASES</u>
Polymer	-	20 ~ 30	-	None
Pigments	-	40 ~ 50	-	None
Water	7732-18-5	20 ~ 40	-	None

See Section 15 for explanations to Risk Phrases.

SECTION 4 : FIRST AID MEASURES

INHALATION : Remove the affected victim from exposure. Keep at rest. Call for prompt medical attention.
SKIN CONTACT : Wash affected area thoroughly with soap and water. If irritation persists, get medical attention.
EYE CONTACT : Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
INGESTION : If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 5 : FIRE-FIGHTING MEASURESFIRE FIGHTING INSTRUCTIONS :

This product is a non-flammable aqueous emulsion. After water evaporates, the remaining material will burn. Either allow fire to burn out under controlled conditions or extinguish with alcohol-type or all-purpose-type foams applied by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

SPECIAL FIRE PRECAUTIONS :

None

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS :

Use self-contained breathing apparatus when fighting fires in enclosed areas.

HAZARDOUS COMBUSTION PRODUCTS :

Smoke, fumes and oxides of carbon.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

ACCIDENTAL SPILLAGE :

Contain and absorb the spill with inert material (sand or earth) and transfer to containers for recovery and/or disposal. Floors may be slippery whilst product is in the wet state but will become progressively stickier as the water component evaporates. This product does not represent any significant hazard to watercourses or aquatic life. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. See Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

SECTION 7 : HANDLING AND STORAGE

STORAGE TEMPERATURE (°C)	:	Ambient
TRANSPORT TEMPERATURE (°C)	:	Ambient
LOADING / UNLOADING TEMPERATURE (°C)	:	Ambient
STORAGE / TRANSPORT PRESSURE (kPa)	:	Atmospheric

STORAGE / HANDLING, GENERAL NOTES :

- Use with adequate ventilation.
- Avoid contact with skin and clothing. Wash thoroughly after handling.
- Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION :

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation for or in confined spaces. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION :**GENERAL ADVICE :**

The use and choice of Personal Protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with side-shields and work clothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled or processed should at least wear safety glasses with side-shields.

SPECIAL ADVICE :

Based on and limited to DNT Singapore's experience of this product as such, the following special advice is believed to provide satisfactory protection for the industrial user or handler.

RESPIRATORY PROTECTION :

When handling this product, it is recommended to use half face filter mask to protect from overexposure by inhalation in poorly ventilated areas.

HAND PROTECTION :

When handling this product, it is recommended to use gloves impervious to water and soap.

EYE PROTECTION :

When handling this product, it is recommended to wear safety glasses.

SKIN / BODY PROTECTION :

When handling this product, it is recommended to wear long sleeves and rubber boots.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

These are indicative values only. Please also refer to the product specification sheet.

Physical State	:	Liquid
Appearance	:	White or Coloured
Odour	:	Mild
pH	:	Not available
Specific Gravity (20 °C)	:	Approximately 1.45
Percent Volatile (by weight)	:	Approximately 55%
Boiling Point Range	:	Approximately 100 °C
Flash Point (Tag Closed Cup)	:	Not Applicable (aqueous system)
Auto Ignition Temperature	:	Not Applicable (aqueous system)

Explosive Limits (in air) : Not Applicable (aqueous system)
Vapour Pressure (20 °C) : 1.0 kPa @ 20°C

SECTION 10 : STABILITY AND REACTIVITY

HAZARDOUS POLYMERISATION : No
CONDITIONS TO AVOID POLYMERISATION : Not Applicable

STABILITY : Stable
CONDITIONS TO AVOID INSTABILITY : Not Applicable

MATERIALS AND CONDITIONS TO AVOID (INCOMPATIBILITY) : None

HAZARDOUS DECOMPOSITION PRODUCTS : None

SECTION 11 : TOXICOLOGICAL INFORMATION

ACUTE :
Information on analogous product shows minimal toxicity concerns.

CHRONIC :
Information on analogous product shows minimal toxicity concerns.

Additional information is available on special request.

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL DEGRADABILITY
The product is not biodegradable.

ECOTOXICITY AND BIOACCUMULATION
Based upon data for a similar substance or estimated data. Not toxic to fish or plants.

SECTION 13 : DISPOSAL CONSIDERATIONS

The following advice only applies to the product as supplied.
Combination with other materials may well indicate another route of disposal. If in doubt, contact Local Authorities.

Empty containers should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with national and local regulations.

SECTION 14 : TRANSPORT INFORMATION

Not classified as hazardous for transport.

Marine Pollutant : No

SECTION 15 : REGULATORY INFORMATION

Risk Phrases and Symbols : -

All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed.

SECTION 16 : OTHER INFORMATION

Last revised date : -
Version : 0

The above information describes exclusively the safety requirements of the product and is provided as general advice only. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product bulletin. As we have no control over the treatment of the product, the standard of surface preparation of the substrate or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us.
