# Material Safety Data Sheet

**(For Coatings, Resins and Related Materials)**

**Manufacturer's Name**
Nippon Paint Co., Ltd

**Address**
2-1-2, OYODO-KITA, KITAKU,
OSAKA 531-8511, JAPAN

**Emergency Telephone Number**
06-6455-9137(JAPAN)

**Information Telephone Number**
06-6455-9137(JAPAN)

**Date of Preparation**
Jan. 14, 2003

## SECTION I: Product Identification

- **Chemical Name**: N/A
- **Trade Name**: Glasia WG-004
- **Chemical Family**: Polysilane Solution

## SECTION II: Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>wt% Exposure Limits</th>
<th>Occupational</th>
<th>Vapor Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polysilane</td>
<td>proprietary</td>
<td>40-45</td>
<td>not est.</td>
<td>not est.</td>
</tr>
<tr>
<td>Silicone Resin</td>
<td>proprietary</td>
<td>20-25</td>
<td>not est.</td>
<td>not est.</td>
</tr>
<tr>
<td>Methylbenzene</td>
<td>100-66-3</td>
<td>35-40</td>
<td>not est.</td>
<td>not est.</td>
</tr>
<tr>
<td>Additive(s)</td>
<td>proprietary</td>
<td>&lt;1</td>
<td>not est.</td>
<td>not est.</td>
</tr>
</tbody>
</table>

**Note:** (RD) = respirable dust. (C) = ceiling limit. (Skin) = skin penetrative. ppmcf = millions of particles per cubic foot. *+, # = Carcinogenic according to criteria established by (+ = NTP, # = IARC, # = OSHA).
SECTION III  PHYSICAL DATA

BOILING RANGE: 311 Deg.F  % VOLATILE VOLUME: 43 %  WT/GAL: 8.83
VAPOR DENSITY: Heavier than air  EVAPORATION RATE: Slower than ether
APPEARANCE ANDODOR: Clear Liquid/Solvent Odor

SECTION IV  FIRE EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
FLASH POINT: 102Deg.F  LEL: U/I
OSHA: Class II (UN=1866)
DOT : Combustible Liquid

EXTINGUISH MEDIA:
[X] FOAM [ ] ALCOHOL [X] CO₂ [X] DRY CHEMICAL [ ] WATER FOG ROAM [ ] OTHERS

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:
Wear self-contained breathing apparatus.

SECTION V  HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE:
Eye watering, headaches, nausea, dizziness and loss of coordination.

EFFECTS OF OVEREXPOSURE:
INGESTION : Harmful if swallowed.
INHALATION : Irritates nose and throat. May irritate lung.
SKIN EXPOSURE: May cause moderate skin irritation.
EYE EXPOSURE : Causes irritation, redening and blurred vision.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:
No applicable information was found.

PRIMARY ROUTE(S) OF ENTRY:  [X] DERMAL  [X] INHALATION  [X] INGESTION

EMERGENCY AND FIRST AID PROCEDURES:
INGESTION : Don't induce vomiting. Refer to a doctor immediately.
INHALATION : Remove to fresh air.
SKIN EXPOSURE: Remove promptly by wiping followed by washing with soap and water.
EYE EXPOSURE : Flush eyes thoroughly with plenty of water at least 15 minutes.

SECTION VI  REACTIVITY DATA

STABILITY:  [X] STABLE  [ ] UNSTABLE

HAZARDOUS POLYMERIZATION:  [X] WILL NOT OCCUR  [ ] MAY OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
May produce hazardous products including carbon monoxide and low molecular weight organic monomers when exposed to extreme heat.

CONDITIONS TO AVOID
Do not expose to heat or ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID)
Avoid contact with strong alkalis, strong mineral acids and strong oxidizing agents.
SECTION VII  SPILL OR LEAK PROCEDURES

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Provide maximum ventilation. Only personnel equipped with proper respiratory and skin and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sawdust, vermiculite, or other absorbent material and place into containers for disposal.

WASTE DISPOSAL METHOD:
Waste material must be disposed of in accordance with federal, state and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION VIII  SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:
Overexposure to vapors may be prevented by ensuring ventilation controls, vapor exhaust or fresh air entry. If exposure may or does exceed occupational exposure limits, use NIOSH-approved respirator to prevent over-exposure.

VENTILATION REQUIREMENT:
Keep the concentrations of ingredients listed in Section II below the TLV.

SKIN PROTECTION:
Wear protective clothing including apron and gloves constructed of nitrile rubber or neoprene rubber.

EYE PROTECTION:
Wear chemical type splash goggles or full face shield.

HYGIENIC PRACTICES:
Clean or discard contaminated clothing and shoes.

SECTION IX  SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Don't store above 120 deg. F. Store large quantities in building designed and protected for storage of OSHA Class II. Keep containers tightly closed.

OTHER PRECAUTIONS:
To avoid static charge build up, grounding and minimizing free fall distance is recommended.
For industrial use only.

ABBREVIATIONS:
not est. = not established
N/A = not applicable
U/I = unknown information
(RD) = respiratory dust

(PERM NP98-10)
WARNING LABEL

PRODUCT NAME: GLASIA WG-004

WARNING:

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Consult "Material Safety Data Sheet" (MSDS) for further information.

COMPANY NAME AND ADDRESS:
Manufacturer: Nippon Paint Co., Ltd.
2-1-2 Oyodo-kita, Kita-ku
Osaka 531-8511, JAPAN

Importer: 

EMERGENCY PHONE :