

Ref. MA10002441/

# Material Safety Data Sheet

Rev. no. 1.4

## StoColor Lotusan G

Prepared Date. 26.03.2013

Review Date. 16.12.2015

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product name:** StoColor Lotusan G

**Recommended use:** Façade Paint

**Company details:** Stoanz Ltd

**Address:** 72 Abel Smith Street, Wellington, New Zealand

**Telephone number:** +64 4 801 7794

**Emergency telephone no:** Nation Poisons Centre, 0800 POISON, 0800 764 766

### 2. HAZARDS IDENTIFICATION

**Hazard classification:** Non Hazardous according to NZ HSNO Regulations.  
Not regulated under NZS5433 for land transportation.

**Hazard statement code:** H402: Harmful to aquatic life  
H413: May cause long-lasting harmful effects to aquatic life

**Prevention statements:** P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.  
P270: Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: In case of inadequate ventilation wear respiratory protection.

**Response statements:** P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+352+361: IF ON SKIN: Wash with plenty of water. Take off immediately all contaminated clothing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Storage:** P401: Store in original container

**Disposal:** P501: Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description:** Water based dispersion paint for exterior use.

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| Component                               | CAS Number | Content         |
|---|------------|-----------------|
| 3-iodo2-propynylbutylcarbamate          | 55406-53-6 | ≥ 0.1 - > 1     |
| 3-(4-isopropylphenyl)-1, 1-dimethylurea | 34123-59-6 | ≥ 0.025 - <0.25 |
| Terbutryn                               | 886-50-0   | ≥ 0.025 - <0.25 |

### 4. FIRST AID MEASURES

**Description of necessary first aid measures:**

In the case of accident or if you unwell, seek medical advice immediately (show the label where possible).

Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

**Workplace facilities required instructions:**

Inhalation

Move to fresh air.

Keep patient warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water.

DO NOT use solvents or thinners.

Take off all contaminated clothing and shoes immediately.

Wash clothing before reuse

If skin irritation persists, call a physician.

Eye Contact

Remove contact lens.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Consult a physician.

Ingestion

Clean mouth with water and drink plenty of water afterwards.

DO NOT induce vomiting.

Obtain medical attention.

Keep at rest.

### 5. FIRE FIGHTING MEASURES

**Type of hazard:**

Fire will produce dense black smoke containing hazardous combustion products.

Exposure to decomposition products may be a health hazard.

**Fire hazard properties extinguishing media & methods:**

DO NOT use High Volume Water Jet as an extinguishing media.

Use Alcohol-Resistant Foam, Carbon Dioxide (CO<sub>2</sub>), Dry Chemical or Water Spray as an extinguishing media.

Water mist may be may be used to cool closed containers.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**Protective clothing:** Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

**Procedures to be covered:** Environmental Precautions  
 The product should not be allowed to enter drains, water courses or the soil.  
 If the product contaminates rivers, lakes or drains inform respective authorities.

Methods for Cleaning Up  
 Contain and collect spillage with non-combustible absorbent material, (eg. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Clean with detergents. Avoid solvents. Dispose contaminated material as waste according to section 13. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling Practices:** Advice on safe handling  
 Smoking, eating and drinking should be prohibited in the application area.  
 Keep away from food, drink and animal feeding stuffs.  
 Avoid contact with skin and eyes.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Comply with the health and safety at work laws.

Advice on protection against fire and explosion  
 When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke oxides of nitrogen.

**Storage:** Requirements for storage areas and containers  
 Prevent unauthorized access  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Store in original containers.  
 Protect from frost, heat and sunlight.

Advice on Common Storage  
 Keep away from oxidising agents and strongly acid or alkaline materials.

Specific Use(s)  
 For further information, also see the Technical Data Sheet.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Workplace exposure guidelines:** Note: Contains no substances with community workplace limits. Observe country-specific regulations

**Exposure standards:**

**Personal protective equipment (PPE):** Ensure good ventilation; if possible, use / install internal extractor equipment.

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### Specification for equipment: Respiratory Protection

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment.

Employees who are spraying or are working in immediate nearness, use a particle filter P2 against spray fog.

### Hand Protection

Protective gloves not normally necessary.

Protective gloves should be worn during spraying work.

Nitrile Rubber

Break through time: 480 min

Minimum Thickness: 0.11 mm

Cotton undergloves are recommendable when wearing protective gloves. Skin that comes into contact with the product should be treated with protective cream. After a contact, it should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Observe manufacturer's recommendations.

### Eye Protective

Wear protective goggles for protective against liquid spray.

### Body Protection

Protective Suit

Skin should be washed after contact.

DO NOT use solvents or thinners.

### General hygiene:

Wash hands before breaks and at the end of the workday.

Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Avoid contact with the skin and the eyes.

Keep away from food, drink and animal feeding stuffs.

When using, DO NOT eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                        |
|--------------------------------------|------------------------|
| <b>Physical State:</b>               | Liquid                 |
| <b>Colour:</b>                       | White                  |
| <b>Odour:</b>                        | Characteristic         |
| <b>Odour Threshold:</b>              | No data available      |
| <b>pH:</b>                           | ca. 9.0 – 10.0 at 20°C |
| <b>Melting Point/Freezing Point:</b> | < 0°C                  |

**Initial Boiling Point & Boiling Range:** No data available

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|   |   |
|---|---|
| <b>Flash point:</b>                           | > 100°C                                   |
| <b>Evaporation rate</b>                       | Not applicable                            |
| <b>Flammability (solid, gas):</b>             | Not applicable                            |
| <b>Lower Explosion Limit:</b>                 | No data available                         |
| <b>Upper Explosion Limit:</b>                 | No data available                         |
| <b>Vapour Pressure:</b>                       | No data available                         |
| <b>Vapour Density:</b>                        | No data available                         |
| <b>Density:</b>                               | Ca. 1.45 – 1.55 g/cm <sup>3</sup> at 20°C |
| <b>Solubility(ies)(Water):</b>                | Completely miscible                       |
| <b>Partition coefficient: n-octanol/water</b> | Not determined                            |
| <b>Auto-ignition Temperature:</b>             | Not auto-flammable                        |
| <b>Ignition Temperature:</b>                  | No data available                         |
| <b>Decomposition Temperature:</b>             | No data available                         |
| <b>Viscosity: (dynamic)</b>                   | ca. 1.650 mPa.s at 20°C                   |
| <b>Explosive Properties:</b>                  | Not explosive                             |
| <b>Oxidizing Properties:</b>                  | Not applicable                            |
| <b>Flow Time:</b>                             | No data available                         |

### 10. STABILITY AND REACTIVITY

**Thermal decomposition:** No decomposition if stored and applied as directed.

**Hazardous reactions:** Fire will produce dense black smoke containing hazardous combustion products.

**Hazard decomposition:** No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

**Data and interpretation:**

Acute Oral Toxicity  
Based on available data, the classification criteria are not met.

Acute Inhalation Toxicity  
Based on available data, the classification criteria are not met.

Acute Dermal Toxicity  
Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation  
Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation

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Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitisation

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity – Genotoxicity in vitro

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity – Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity – Effects on Fertility

Based on available data, the classification criteria are not met.

Reproductive Toxicity – Developmental Toxicity

Based on available data, the classification criteria are not met.

STOT – Single Exposure

May cause respiratory irritation.

STOT – Repeated Exposure

Based on available data, the classification criteria are not met.

Aspiration Hazard

Based on available data, the classification criteria are not met.

Other Information

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008.

### Components:

3-iodo2-propynyl butylcarbamate

Acute Oral Toxicity - LD50 rat:1.470 mg/kg

Acute Inhalation Toxicity - Harmful by inhalation.

Acute Dermal Toxicity - LD50 Rabbit: > 2.000 mg/kg

Skin Corrosion/Irritation – Causes skin irritation.

Serious Eye Damage/Eye Irritation – Causes serious eye damage.

Respiratory or Skin Sensitisation – May cause sensitisation by skin contact.

STOT – Single Exposure – Exposure routes: Inhalation – May cause respiratory irritation.

3-(4-isopropylphenyl)-1,1-dimethylurea

Carcinogenicity – Limited evidence of a carcinogenic effect.

Terbutryn

Acute Oral Toxicity - LD50 rat:1.000 - 1.470 mg/kg

Acute Inhalation Toxicity – LC50 rat: > 2.200mg/l – Exposure time: 4h.

Acute Dermal Toxicity - LD50 Rabbit: > 2.000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Eco-toxicological effects:** DO NOT flush into surface water or sanitary sewer system.  
Harmful to aquatic organisms.  
May cause long term adverse effects in the aquatic environment.

**Toxicity:** Toxicity to Fish – 3-iodo2-propynyl butylcarbamate  
LC 50  
Species: Oncorhynchus Mykiss (rainbow trout)  
Dose: 0.01 – 0.1 mg/l

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Exposure time: 96 h

Toxicity to Fish – Terbutryn

LC 50

Species: Lepomis Macrochirus (Bluegill sunfish)

Dose: 1.3 mg/l

Exposure time: 96 h

Toxicity to Algae – 3-iodo2-propynyl butylcarbamate

EC 50

Species: Desmodesmus Subspicatus (Green Algae)

Dose: 0.01 – 0.1 mg/l

Exposure time: 72 h

Toxicity to Algae – Terbutryn

EC 50

Species: Selenastrum Capricornutum (Green Algae)

Dose: 0.013 mg/l

Exposure time: 96 h

Toxicity to Bacteria – Terbutryn

LC 50

Species: Bacteria

Dose: > 1.000 mg/l

Exposure time: 3 h

Toxicity to Daphnia – 3-iodo2-propynyl butylcarbamate

EC 50

Species: Daphnia

Dose: 0.1 - 1.0 mg/l

Exposure time: 48 h

Toxicity to Daphnia – 3-(4-isopropylphenyl)-1,1-dimethylurea

EC 50

Species: Daphnia Magna (Water Flea)

Dose: > 1.0 mg/l

Exposure time: 48 h

Toxicity to Daphnia – Terbutryn

EC 50

Species: Daphnia

Dose: 2.66 mg/l

Exposure time: 48 h

**Persistence & Degradability** Terbutryn: Biodegradability  
Not readily biodegradable.

**Bio accumulative Potential** Product: Bioaccumulation

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No data available

### Mobility in Soil

Product: Mobility

Not Applicable

### Results of PBT & vPvB Assessment

Product: Assessment

Not applicable

## 13. DISPOSAL CONSIDERATIONS

### Product:

The user is responsible for proper coding and marking of any waste.

With recommended use, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste"

Unhardened leftover product should be disposed of under the recommended waste code.

### Un-cleaned packaging:

Empty packaging should be recycled through disposal systems.

### Code of waste (EWC):

08.01.12: waste paint and varnish other than those mentioned in 08.01.11

## 14. TRANSPORT INFORMATION

### Overland transport:

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### Shipment by sea: (IMDG/GGVSee)

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### Air transport: (ICAO/IATA)

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### Remarks:

## 15. REGULATORY INFORMATION

### HSNO approval number:

Non Hazardous according to NZ HSNO Regulations

### HSNO controls:

Non Hazardous according to NZ HSNO Regulations

### Occupational restrictions:

Non Hazardous according to NZ HSNO Regulations

## 16. OTHER INFORMATION

### Miscellaneous information:

It is possible in the interim period that you will find different markings on packaging compared with the Material Safety Data Sheet until stocks have been depleted. We ask for your understanding in this matter.

Changes from the previous version are indicated with markings on the left ed. The details in this Safety Data Sheet are equivalent to our current knowledge and comply with the national



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as well as the EC legislation. The working conditions of the user however escape our knowledge and control. The user is responsible for the observance of all necessary legal regulations. The details in this Safety Data Sheet describe the safety requirements of our product and are no guarantee for the product characteristics.

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### References: