MATERIAL SAFETY DATA SHEET

3,4-DICHLOROPHENYL ISOCYANATE

Revision: 04/02/2011

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Georganics Ltd.
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Emergency Number, Slovakia: National Toxicological Information Centre
Tel: 00421-2-54774166
Mobil: +421 911 166 066

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Symbol: T - Toxic

Risk Phrases:
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R42 - May cause sensitization by inhalation.
H301 - Toxic if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.

GHS pictogram:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves.
P285 In case of inadequate ventilation wear respiratory protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Assay (%)</th>
<th>EINECS#</th>
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<tbody>
<tr>
<td>102-36-3</td>
<td>3,4-Dichlorophenyl isocyanate</td>
<td>97</td>
<td>203-026-2</td>
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</table>

SECTION 4 - FIRST AID MEASURES

Eyes: Rinse opened eye for at least 15 minutes under running water. Get medical aid.
Skin: Instantly wash with water and soap and rinse thoroughly. Get medical aid.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If required, provide artificial respiration. Get medical aid.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide or appropriate foam.
Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
Unusual fire and explosions hazards: During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Wear protective equipment as indicated in section 8. Ensure adequate ventilation. Avoid dust formation.
Environmental precautions: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash spill site after material pickup is complete.
Additional information: Do not let this chemical enter the environment.

Additional information: See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Remove contaminated clothing and wash before reuse. Ensure adequate ventilation.
Storage: Store in a dry, cool and well ventilated place. Keep container closed when not in use. Moisture sensitive. See Section 10 for stability and reactivity information.
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Safety shower and eye bath.

Personal Protective Equipment

Eyes: Wear chemical safety glasses.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing: Wear appropriate protective work clothing.
Respirators: Use breathing protection with high concentrations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Form</td>
<td>Crystalline</td>
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<tr>
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<td>White to off-white</td>
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<tr>
<td>Boiling Point</td>
<td>118-120 °C</td>
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<tr>
<td>Flash Point</td>
<td>123 °C</td>
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<tr>
<td>Freezing/Melting Point</td>
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<tr>
<td>Molecular Weight</td>
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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Incompatible Materials: Strong oxidants, water, alcohols, strong bases, amines, acids
Conditions to avoid: Incompatible products, heat
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, hydrogen chloride gas.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity: There are no known carcinogenic chemicals in this product. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Potential Health Effects: Toxic if swallowed. Inhalation may cause respiratory irritation. May be harmful if inhaled, swallowed or absorbed through skin. May cause serious eye irritation.
Other: The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

<table>
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<th>IMDG/IMO</th>
<th>RID/ADR</th>
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SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:
- T - Toxic

Risk Phrases:
- R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R42 - May cause sensitization by inhalation.

Safety Phrases:
- S22 - Do not breathe dust.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Canadian DSL/NDSL: CAS# 102-36-3 is listed on Canada's DSL or NDSL List.
US Federal TSCA: CAS# 102-36-3 is listed on the TSCA Inventory. It is for research and development use only.

SECTION 16 - OTHER INFORMATION

WARRANTY

The information contained in the MSDS are compiled according to the present knowledge of the manufacturer. It does not represent any guarantee of the properties of the product. MSDS shall be used only as a guide. Georganics Ltd. is not liable for damages incurred in the handling or contact with chemicals.