1 Identification

Product identifier

Trade name: **TYTRO® SI 550A**

SDS ID Number: 65288

Relevant identified uses of the substance or mixture, and uses advised against:

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

www.gcpat.com

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
    +1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)
Email address: msds.gcp@gcpat.com

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Causes skin irritation.
Causes serious eye damage.

Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms

![GHS05](image)

Danger

**Hazard statements**

Causes skin irritation.
Causes serious eye damage.

**Precautionary statements**

Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
Trade name: TYTRO® SI 550A

NFPA ratings (scale 0 - 4)

Health = 3
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH
Health = *3

FIRE
Flammability = 1

REACTIVITY
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixture

Description: Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1344-09-8</td>
</tr>
</tbody>
</table>

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

4 First-aid measures

Description of first aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation: No special measures required.

After skin contact:
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:
Rinse mouth.
Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture No further relevant information available.
Trade name: TYTRO® SI 550A

Advice for firefighters

Protective equipment: Wear personal protective equipment.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Avoid release to the environment.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

Use neutralizing agent.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections

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

7 Handling and storage

Handling:

Precautions for safe handling
Do not eat, drink or smoke when using this product.

Keep only in original container.
Use only outdoors or in a well-ventilated area.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Protect from frost.
Store in a dry place.
Keep cool.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.
Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:
Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves Rubber or other impervious gloves should be worn to prevent skin contact.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses with side shield protection.

Body protection:
Use personal protective equipment as required.
Take off contaminated clothing.

9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: According to product specification</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value (−): Not determined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: &gt;100 °C (&gt;212 °F)</td>
</tr>
<tr>
<td>Flash point: &gt;100 °C (&gt;212 °F)</td>
</tr>
</tbody>
</table>

| Flammability (solid, gaseous): Not applicable.        |

| Ignition temperature: 400 °C (752 °F)                 |

| Decomposition temperature: Not determined.            |
| Auto igniting: Not determined.                         |
| Danger of explosion: Product does not present an explosion hazard. |

| Explosion limits:                                    |
| Lower: Not determined.                                |
### Trade name: TYTRO® SI 550A

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper:</td>
<td>Not determined</td>
</tr>
<tr>
<td>VOC Content (max):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density: (-) at 20 °C (68 °F)</td>
<td>1.5 g/cm³ (12.5 lbs/gal)</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water:</td>
<td>Fully miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic at 20 °C (68 °F):</td>
<td>200-300 mPas</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Molecular weight:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

**Reactivity** Stable under normal conditions.

**Chemical stability**

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 11 Toxicological information

**Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

- **on the skin:** Causes skin irritation.
- **on the eye:** Causes serious eye damage.
- **inhalation:** No irritating effect expected

**Additional toxicological information:**

**Carcinogenic categories**

- **IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
  - Group 1 - Positive, Group 2A - Probable, Group 2B - Possible, Group 3 - Not Classifiable
  - None of the ingredients are listed.

- **NTP (National Toxicology Program)**
  - K—Known to be carcinogenic, R—May reasonably be anticipated to be carcinogenic
  - None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**
  - None of the ingredients are listed.
12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:
Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.

Additional ecological information:
General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Disposal methods:
Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

| UN-Number | DOT, IMDG, IATA | Not applicable. |
| UN proper shipping name | DOT, IMDG, IATA | Not applicable. |
| Transport hazard class(es) | DOT, IMDG, IATA | Not applicable. |
| Packing group | DOT, IMDG, IATA | Not applicable. |
| Environmental hazards: | Not applicable. |
| Special precautions for user | Not applicable. |
### 15 Regulatory information

**SARA (Superfund Amendments and Reauthorization Act)**

- **Section 302/304 (extremely hazardous substances):**
  - None of the ingredients is listed.

- **Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**
  - None of the ingredients is listed.

**SARA Section 312/Tier I & II Hazard Categories:**
- Health Hazard - Skin Corrosion or Irritation
- Health Hazard - Serious eye damage or eye irritation

**North America Chemical Inventory Status**

**TSCA (Toxic Substances Control Act - United States):**
- All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**
- All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure:**
- 56-81-5 Glycerol
- 7732-18-5 Water

**California Proposition 65: (Substances <0.1% unless noted in Section 3)**

- **Chemicals known to cause cancer:**
  - None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**
  - None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**
  - None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**
  - None of the ingredients are listed.

**Carcinogenicity Categories**

- **TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**
  - Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable
  - None of the ingredients are listed.

- **NIOSH-Cancer (National Institute for Occupational Safety and Health)**
  - None of the ingredients are listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards.**
- If no g/L value is provided this product is not subject to above standard.

### 16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

**Department issuing SDS:**

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
1 Identification

Product identifier

Trade name: TYTRO® SI 550B

SDS ID Number: 65289

Relevant identified uses of the substance or mixture, and uses advised against:

2 Hazard(s) identification

Classification of the substance or mixture

Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms

GHS07  GHS08

Danger

Hazard statements

Harmful if inhaled.
Trade name: TYTRO® SI 550B

Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.
If on skin: Wash with plenty of water.
If INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

**NFPA ratings (scale 0 - 4)**

- Health = 2
- Fire = 1
- Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

- HEALTH: *4
- Flammability = 1
- Reactivity = 0

**Other hazards**

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization:** Mixture

**Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9</td>
<td>Diphenylmethanedisocyanate, isomers and homologues</td>
</tr>
<tr>
<td>101-68-8</td>
<td>Diphenylmethane-4,4’-di-isocyanate</td>
</tr>
</tbody>
</table>

**Additional information:** Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

### 4 First-aid measures

**Description of first aid measures**

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:**
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF INHALED: Call a doctor if you feel unwell.
Trade name: **TYTRO® SI 550B**

**47.1.8**

**After skin contact:**
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

**After eye contact:** Rinse cautiously with water for several minutes.

**After swallowing:**
Rinse mouth.

Do NOT induce vomiting.

Immediately call a doctor.

**Information for doctor:**

Most important symptoms and effects, both acute and delayed

Allergic reactions

Irritating to eyes.

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

---

### 5 Fire-fighting measures

**Extinguishing media**

Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

**Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters**

Protective equipment: Wear personal protective equipment.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

---

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

**Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.

**Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to section 13 of the SDS.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.
7 Handling and storage

Handling:
Precautions for safe handling
Prevent formation of aerosols.
Avoid contact with eyes.
Do not eat, drink or smoke when using this product.
Keep only in original container.
Use only outdoors or in a well-ventilated area.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:
Information about storage in one common storage facility: Keep respiratorator available.

Further information about storage conditions:
Protect from frost.
Store in a dry place.
Keep cool.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
</tr>
<tr>
<td>PEL (USA) Ceiling limit value: 0.2 mg/m³, 0.02 ppm</td>
</tr>
<tr>
<td>REL (USA) Long-term value: 0.05 mg/m³, 0.005 ppm</td>
</tr>
<tr>
<td>Ceiling limit value: 0.2* mg/m³, 0.02* ppm</td>
</tr>
<tr>
<td>*10-min</td>
</tr>
<tr>
<td>TLV (USA) Long-term value: 0.051 mg/m³, 0.005 ppm</td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Appropriate engineering controls Local exhaust ventilation is recommended.

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Isocyanates (contained in Part B and in mixed components) are known as respiratory sensitisers.

Atmospheric levels should be maintained below the exposure guideline. When atmospheric levels may exceed the exposure guideline, use an approved full-face, air-purifying respirator equipped with an organic vapor sorbent and a particle filter. Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate prefilter, type AP2.

For spray applications use a positive-pressure air-supplying respirator (air line or self-contained breathing apparatus). For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure air line with auxiliary self-contained air supply.

For hand applications, unless monitoring data confirms that respiratory protection is not necessary, use an approved half-face air purifying respirator equipped with an organic vapor sorbent filter (EU Type A, NIOSH Black, etc.) and particulate pre-filter (EU Type P2, NIOSH N95, etc.).
For emergency response, an approved positive pressure Self Contained Breathing Apparatus (SCBA) or positive pressure air line with auxiliary self-contained air supply is recommended.

**Protection of hands:** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves**
Rubber or other impervious gloves should be worn to prevent skin contact.

**Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**
Protective goggles.

**Body protection:**
Protective work clothing
Take off contaminated clothing.

---

## 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: According to product specification</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value (~): Not determined.</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: &gt;100 °C (&gt;212 °F)</td>
</tr>
<tr>
<td>Flash point: &gt;100 °C (&gt;212 °F)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature: 400 °C (752 °F)</td>
</tr>
<tr>
<td>Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>Auto igniting: Not determined.</td>
</tr>
<tr>
<td>Danger of explosion: Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits:</td>
</tr>
<tr>
<td>Lower: Not determined.</td>
</tr>
<tr>
<td>Upper: Not determined.</td>
</tr>
<tr>
<td>VOC Content (max): Not determined.</td>
</tr>
<tr>
<td>Vapor pressure at 20 °C (68 °F): 0 hPa (0 mm Hg)</td>
</tr>
<tr>
<td>Density: (~) at 20 °C (68 °F) 1.5 g/cm³ (12.5 lbs/gal)</td>
</tr>
<tr>
<td>Relative density Not determined.</td>
</tr>
<tr>
<td>Vapor density Not determined.</td>
</tr>
<tr>
<td>Evaporation rate Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water: Fully miscible.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water): Not determined.</td>
</tr>
<tr>
<td>Viscosity:</td>
</tr>
<tr>
<td>Dynamic at 20 °C (68 °F): 200-300 mPas</td>
</tr>
</tbody>
</table>
10 Stability and reactivity

Reactivity  Stable under normal conditions.
Chemical stability
Thermal decomposition:  No decomposition if used according to specifications.
Possibility of hazardous reactions  No dangerous reactions known.
Conditions to avoid  No further relevant information available.
Incompatible materials:  No further relevant information available.
Hazardous decomposition products:  Carbon monoxide and carbon dioxide

11 Toxicological information

Delayed and immediate effects and chronic effects from short or long term exposure
May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects

Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9 Diphenylmethanediisocyanate, isomers and homologues</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalation</td>
</tr>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalation</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Primary irritant effect:

on the skin:  Causes skin irritation.
on the eye:  Causes serious eye irritation.
inhalation:  Harmful if inhaled.
May cause respiratory irritation.
Ingestion:  May cause damage to organs through prolonged or repeated exposure.

Sensitization:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

Additional toxicological information:  Suspected of causing cancer.

Carcinogenic categories
IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

9016-87-9 Diphenylmethanediisocyanate, isomers and homologues
Trade name: **TYTRO® SI 550B**

12 Ecological information

**Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

**Additional ecological information:**

- **General notes:** Not known to be hazardous to water.

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

13 Disposal considerations

**Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

**UN-Number**

- **DOT, IMDG, IATA** Not applicable.

**UN proper shipping name**

- **DOT, IMDG, IATA** Not applicable.

**Transport hazard class(es)**

- **DOT, IMDG, IATA** Class Not applicable.
Safety Data Sheet

Trade name: TYTRO® SI 550B

15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

- 9016-87-9 Diphenylmethanediisocyanate, isomers and homologues 46.1%
- 101-68-8 Diphenylmethane-4,4'-di-isocyanate 24.8%
- 124-17-4 2-(2-butoxyethoxy)ethyl acetate 9.8%

SARA Section 312/Tier I & II Hazard Categories:
- Health Hazard - Carcinogenicity
- Health Hazard - Acute toxicity (any route of exposure)
- Health Hazard - Skin Corrosion or Irritation
- Health Hazard - Respiratory or Skin Sensitization
- Health Hazard - Serious eye damage or eye irritation
- Health Hazard - Specific target organ toxicity (single or repeated exposure)

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):
All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):
All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:
- 6846-50-0 1-isopropyl-2,2-dimethyltrimethylene diisobutyrate
- 124-17-4 2-(2-butoxyethoxy)ethyl acetate
- Modified polymeric MDI

California Proposition 65: (Substances <0.1% unless noted in Section 3)

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

Carcinogenicity Categories

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
- Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable
None of the ingredients are listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)
None of the ingredients are listed.
Volatile Organic Compounds (VOC) reported per the Emission Standards. If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

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