1 Identification

- Product identifier
- **Trade name:** Rapid Refloor Pit Grout Part A Polyol
- **Product code:** No other identifiers
- **Recommended use and restriction on use**
  - **Recommended use:** Component of a Control Joint Polyurea System
  - **Restrictions on use:** For Professional Use Only
- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:** METZGER/McGUIRE
  - **Mailing Address:** PO Box 2217 Concord, NH 03302
  - **Shipping Address:** 807 Route 3-A Bow, NH 03304
  - **Phone:** 603-224-6122
  - **Toll Free:** 800-223-6680
  - **Email:** info@metzgermcguire.com
- **Emergency telephone number:** ChemTel Inc.
  - (800)255-3924 (North America)
  - +1(813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Eye Irrit. 2A H319 Causes serious eye irritation.
  - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Label elements**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms:**
    - GHS07
    - GHS08
- **Signal word:** Danger
- **Hazard statements:**
  - H319 Causes serious eye irritation.
  - H304 May be fatal if swallowed and enters airways.
- **Precautionary statements:**
  - P264 Wash thoroughly after handling.
  - P280 Wear eye protection.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P331 Do NOT induce vomiting.
  - P337+P313 If eye irritation persists: Get medical advice/attention.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Components:**
  - 29253-36-9 Isopropynaphthalene Asp. Tox. 1, H304 35-50%
  - 25214-63-5 Ethylenediamine, propoxylated Eye Irrit. 2A, H319 25-45%
  - 7631-86-9 precipitated silica (silica - amorphous) 2-6%
  - 13463-67-7 Titanium dioxide 1-6%
  - 1333-86-4 Carbon black 0.5-2%
- **Additional information:**
  - Non-classification as a carcinogen is based on non-respirable form of product.
  - For the wording of the listed Hazard Statements refer to section 16.
  - For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:**
    - Respiration of particulates is unlikely during normal usage.
    - Supply fresh air; consult doctor in case of complaints.
    - Provide oxygen treatment if affected person has difficulty breathing.
    - In case of unconsciousness place patient stably in side position for transportation.
  - **After skin contact:**
    - Immediately wash with water and soap and rinse thoroughly.
    - If skin irritation continues, consult a doctor.
  - **After eye contact:**
    - Remove contact lenses if worn.
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - **After swallowing:**
    - Rinse out mouth and then drink plenty of water.
    - Do not induce vomiting; immediately call for medical help.
    - A person vomiting while lying on their back should be turned onto their side.
  - **Most important symptoms and effects, both acute and delayed:**
    - Breathing difficulty
    - Dizziness
    - Coughing

(Continued on page 2)
44.3.11

Causes eye irritation.
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Unconsciousness

Danger:
Danger of impaired breathing.
May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed:
Medical supervision for at least 48 hours.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary edema.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.
  - For safety reasons unsuitable extinguishing agents: Water stream.

- Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
  - Protective equipment:
    - Wear self-contained respiratory protective device.
    - Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Ensure adequate ventilation.
  - Wear protective equipment. Keep unprotected persons away.
  - Particular danger of slipping on leaked/spilled product.

- Environmental precautions
  - Do not allow to enter sewers/surface or ground water.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Methods and material for containment and cleaning up
    - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
    - Send for recovery or disposal in suitable receptacles.

- 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 splashes or spray in enclosed areas.
    - Use only in well ventilated areas.

- Conditions for safe storage, including any incompatibilities

- Storage
  - Requirements to be met by storerooms and receptacles:
    - Avoid storage near extreme heat, ignition sources or open flame.
    - Use only receptacles specifically permitted for this substance/product.

- Information about storage in one common storage facility:
  - Store in cool, dry conditions in well sealed receptacles.
  - Keep containers tightly sealed.

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

8 Exposure controls/personal protection

- Control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>NIOSH REL (USA)</th>
<th>OSHA PEL (USA)</th>
<th>NIOSH REL (USA)</th>
<th>OSHA PEL (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7631-86-9 precipitated silica (silica - amorphous)</td>
<td>Long-term value: 6 mg/m³</td>
<td>Long-term value: 80 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13463-67-7 titanium dioxide</td>
<td>Long-term value: 15 mg/m³</td>
<td>Long-term value: 15 mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td>1333-86-4 carbon black</td>
<td>Long-term value: 3.5 mg/m³</td>
<td>Long-term value: 3.5 mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
</tbody>
</table>

(Cont'd. on page 3)
44.3.11

Red (USA) Long-term value: 3.5 mg/m³ *inhalable fraction

TLV (USA) Long-term value: 3 mg/m³

EL (Canada) Long-term value: 3 mg/m³

IARC 2B

EV (Canada) Long-term value: 3 mg/m³

LMPE (Mexico) Long-term value: 3 mg/m³

As, “fracción inhalable

Exposure controls

· Personal protective equipment:
  - General protective and hygienic measures:
    The usual precautionary measures for handling chemicals should be followed.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Do not inhale gases / fumes / aerosols.
    Avoid contact with the eyes and skin.
  - Engineering controls: No relevant information available.
  - Breathing equipment:
    Not required under normal conditions of use.
    Use suitable respiratory protective device when aerosol or mist is formed.
    For spills, respiratory protection may be advisable.
  - Protection of hands:
    Protective gloves
    The glove material has to be impermeable and resistant to the product / the substance / the preparation.
  - Eye protection:
    Safety glasses
  - Body protection: Protective work clothing
  - Limitation and supervision of exposure into the environment
    No relevant information available.

9 Physical and chemical properties

· Information on basic physical and chemical properties
  - Appearance:
    Form: Liquid
    Color: According to product specification
    Odor: Slight.

10 Stability and reactivity

· Reactivity: No relevant information available.
  · Chemical stability: Stable under normal temperatures and pressures.
  · Thermal decomposition / conditions to be avoided:
    No decomposition if used and stored according to specifications.
  · Possibility of hazardous reactions
    Toxic fumes may be released if heated above the decomposition point.
    Reacts with strong acids and alkali.
    Reacts with strong oxidizing agents.
  · Conditions to avoid
    Excessive heat.
  · Incompatible materials Oxidizers, strong bases, strong acids
  · Hazardous decomposition products
    Carbon monoxide and carbon dioxide
### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - LD/LC50 values that are relevant for classification: None.
- **Primary irritant effect:**
  - On the skin: Slight irritant effect on skin and mucous membranes.
  - On the eye: Irritating effect.
- **IARC (International Agency for Research on Cancer):**
  - 13463-67-7 titanium dioxide: 2B
  - 1333-86-4 carbon black: 2B
- **NTP (National Toxicology Program):**
  - None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration):**
  - None of the ingredients are listed.
- **Probable route(s) of exposure:**
  - Ingestion.
  - Eye contact.
  - Skin contact.
- **Acute effects (acute toxicity, irritation and corrosivity):** Irritating to eyes.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: Based on available data, the classification criteria are not met.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
- **Aspiration hazard:** May be fatal if swallowed and enters airways.

### 12 Ecological information

- **Toxicity**
  - Aquatic toxicity
  - Toxic for aquatic organisms
- **29253-36-9 Isopropynaphthalene**
  - LC50: 0.74 mg/L (fish)
  - EC50: 0.15 mg/L (daphnia)
- **Persistence and degradability**
  - Not easily biodegradable
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - Recommendation:
    - Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    - The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
  - **Uncleaned packagings**
    - Recommendation: Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - DOT: Not regulated.
  - ADR, IMDG, IATA: UN3082
- **UN proper shipping name**
  - DOT: Not regulated.
  - ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isopropynaphthalene)
  - IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isopropynaphthalene), MARINE POLLUTANT
  - IATA: Environmentally hazardous substance, liquid, n.o.s. (Isopropynaphthalene)
- **Transport hazard class(es)**
  - DOT: Not regulated.
### Trade name: Rapid Refloor Pit Grout Part A Polyol

**44.3.11**

| **Remarks:** | Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid. |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **United States (USA)**
    - **SARA**
      - **Section 302 (extremely hazardous substances):** None of the ingredients are listed.
      - **Section 355 (extremely hazardous substances):** None of the ingredients are listed.
      - **Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.
  - **TSCA (Toxic Substances Control Act)**
    - All ingredients are listed.
  - **Proposition 65 (California)**
    - Chemicals known to cause cancer:
      - Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.
        - 13463-67-7 titanium dioxide
        - 1333-86-4 carbon black
  - 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.
  - **Carcinogenic categories**
    - **EPA (Environmental Protection Agency):** None of the ingredients are listed.
    - **IARC (International Agency for Research on Cancer):** Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.
      - 13463-67-7 titanium dioxide 2B
      - 1333-86-4 carbon black 2B
Trade name: Rapid Refloor Pit Grout Part A Polyol

NIOSH-Ca (National Institute for Occupational Safety and Health):
- 13463-67-7 titanium dioxide
- 1333-86-4 carbon black

Canadian Domestic Substances List (DSL):
All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision: April 14, 2017

Abbreviations and acronyms:
- LDLo: Lowest Lethal Dose Observed
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Asp. Tox. 1: Aspiration hazard – Category 1

Sources
- Website, European Chemicals Agency (echa.europa.eu)
- Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
- Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
- Safety Data Sheets, Individual Manufacturers
- SDS Prepared by: ChemTel Inc.
  1305 North Florida Avenue
  Tampa, Florida USA 33602-2902
  Toll Free North America 1-888-255-3924 Intl. +1 813-248-0573
  Website: www.chemtelinc.com

1 Identification

Product identifier
- Trade name: Rapid Refloor Pit Grout Part B ISO
- Product code: No other identifiers

Recommended use and restriction on use
- Recommended use: Component of a Control Joint Polyurethane System. Caulking and Sealing.
- Restrictions on use: For Professional Use Only

Details of the supplier of the Safety Data Sheet
- Manufacturer/Supplier:
  METZGER/McGUIRE
  Mailing Address:
  PO Box 2217
  Concord, NH 03302
  Shipping Address:
  807 Route 3-A
  Bow, NH 03304
  Phone: 603-224-6122
  Toll Free: 800-223-6680
  Email: info@metzgermcguire.com

Emergency telephone number:
- ChemTel Inc.
  (800)255-3924 (North America)
  +1 (813)248-0573 (International)

2 Hazard(s) Identification

Classification of the substance or mixture
- Acute Tox. 4 H332 Harmful if inhaled.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2A H319 Causes serious eye irritation.
- Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Carc. 2 H351 Suspected of causing cancer.
- STOT SE 3 H335 May cause respiratory irritation.
- STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

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

Hazard pictograms:
- GHS07 GHS08

Signal word: Danger
Hazard statements:
- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection.
- P284 In case of inadequate ventilation wear respiratory protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 Get medical advice/advice if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P343 Store in a well-ventilated place. Keep container tightly closed.
- P450 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards: There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Components:
- 101-68-8 4,4'-methylene diphenyl diisocyanate 80-95%
  4,4'-methylene diphenyl diisocyanate
  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 2, H373
- 80-95%
- 108-32-7 propylene carbonate 5-20%
  Skin Irrit. 2A, H319

Additional information:
For the wording of the listed Hazard Statements refer to section 16.
5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    - CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
    - For safety reasons unsuitable extinguishing agents: Water stream.

- 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 self-contained respiratory protective device.
    - Do not inhale explosion gases or combustion gases.
    - Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation.
  - Isolate area and prevent access.

- Environmental precautions
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Methods and material for containment and cleaning up
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Send for recovery or disposal in suitable receptacles.

- 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 splashes or spray in enclosed areas.
    - Use only in well ventilated areas.
  - Information about protection against explosions and fires:
    - Keep respiratory protective device available.

- Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and receptacles:
      - Avoid storage near extreme heat, ignition sources or open flame.

8 Exposure controls/personal protection

- Control parameters
  - Components with limit values that require monitoring at the workplace:

    | Substance                          | PEL (USA)           | REL (USA)          | TLV (USA)         | EL (Canada)        | LMPE (Mexico)   |
    |-----------------------------------|---------------------|--------------------|-------------------|--------------------|-----------------|
    | 101-66-8 4,4'-methyleneedianilin   | Ceiling limit value: 0.2 mg/m³, 0.02 ppm | Long-term value: 0.05 mg/m³, 0.005 ppm | Ceiling limit value: 0.01 ppm | Ceiling limit value: 0.005 ppm | Long-term value: 0.005 ppm |
    |                                   |                     | Ceiling limit value: 0.2 mg/m³, 0.02 ppm |                     | Ceiling limit value: 0.01 ppm |                 |
    |                                   |                     | *10-min            |                   | Skin: S            |                 |
    | 101-66-8 4,4'-methyleneedianilin   |                     |                    |                   |                    |                 |

- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - The usual precautionary measures for handling chemicals should be followed.
      - Keep away from foodstuffs, beverages and feed.
      - Immediately remove all soiled and contaminated clothing.
      - Wash hands before breaks and at the end of work.
      - Do not inhale gases / fumes / aerosols.
      - Avoid contact with the eyes and skin.
    - Engineering controls: No relevant information available.
    - Breathing equipment:
      - Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.
    - Protection of hands:
      - Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Trade name: Rapid Refloor Pit Grout Part B ISO

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - Appearance: Liquid
  - Form: Liquid
  - Color: Yellow
  - Odor: Faint, aromatic
  - Odor threshold: Not determined.
  - pH-value: Not determined.
  - Melting point/Melting range: 5-20 °C (41-68 °F)
  - Boiling point/Boiling range: >200 °C (>392 °F)
  - Flash point: >200 °C (>392 °F) (PMCC)
  - Flammability (solid, gaseous): Not applicable.
  - Auto-ignition temperature: Not determined.
  - Decomposition temperature: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits
    - Lower: Not determined.
    - Upper: Not determined.
  - Oxidizing properties: Not determined.
  - Vapor pressure at 25 °C (77 °F): <0.0001 mmHg
  - Density: 1.2 g/cm³ (10.014 lbs/gal)
  - Relative density: Not determined.
  - Vapor density: Not determined.
  - Evaporation rate: Not determined.
  - Solubility in / Miscibility with Water: Slowly reacts with water.
  - Partition coefficient (n-octanol/water): Not determined.
  - Viscosity
    - Dynamic: Not determined.
    - Kinematic: Not determined.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions
  - Toxic fumes may be released if heated above the decomposition point.
  - Exothermic polymerization.
  - Reacts with alcohols, amines, aqueous acids and alkalis.
  - Reacts with strong oxidizing agents.
- Conditions to avoid
  - Moisture.
  - Excessive heat.
- Incompatible materials
  - Oxidizers, strong bases, strong acids
- Hazardous decomposition products
  - Carbon monoxide and carbon dioxide
  - Nitrogen oxides (NOx)
  - Isocyanate
  - Hydrogen cyanide (prussic acid)

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - 101-68-8 4,4'-methylenediphenyl disocyanate
        - Oral LD50: 2200 mg/kg (mouse)
  - Primary irritant effect:
    - On the skin: Irritant to skin and mucous membranes.
    - On the eye: Irritating effect.
    - Sensitization: May cause sensitisation by inhalation and skin contact.
- IARC (International Agency for Research on Cancer):
  - None of the ingredients are listed.
- NTP (National Toxicology Program):
  - None of the ingredients are listed.
- OSHA-Ca (Occupational Safety & Health Administration):
  - None of the ingredients are listed.
- Probable route(s) of exposure:
  - Ingestion.
  - Inhalation.
44.3.11

Eye contact.
Skin contact.
- Acute effects (acute toxicity, irritation and corrosivity):
  - Harmful if inhaled.
  - Irritating to eyes, respiratory system and skin.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Carc. 2
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: May cause respiratory irritation.
  - STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No relevant information available.
  - Persistence and degradability: No relevant information available.
  - Bioaccumulative potential: No relevant information available.
  - Mobility in soil: No relevant information available.
  - Additional ecological information
    - General notes:
      - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    - The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: Not regulated.
- UN proper shipping name
  - DOT, ADR, IMDG, IATA: Not regulated.
- Transport hazard class(es)
  - DOT, ADR, IMDG, IATA
    - Class: Not regulated.
- Packing group
  - DOT, ADR, IMDG, IATA: Not regulated.
  - Environmental hazards
    - Marine pollutant: No
  - Special precautions for user: Not applicable.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - United States (USA)
    - SARA
      - Section 302 (extremely hazardous substances):
        - None of the ingredients are listed.
      - Section 355 (extremely hazardous substances):
        - None of the ingredients are listed.
      - Section 313 (Specific toxic chemical listings):
        - 101-68-8 4,4’-methylene diphenyl disocyanate
      - TSCA (Toxic Substances Control Act)
        - All ingredients are listed.
      - Proposition 65 (California)
        - Chemicals known to cause cancer:
          - None of the ingredients are 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.
### 44.3.11 Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

### 44.3.12 Carcinogenic categories

- **EPA (Environmental Protection Agency):**
  
  101-68-8 4,4’-methylene diphenyl disocyanate

- **IARC (International Agency for Research on Cancer):**
  
  None of the ingredients are listed.

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

- **Canadian Domestic Substances List (DSL):**
  
  All ingredients are listed.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** April 14, 2017 / -

#### Abbreviations and acronyms:

- ADR: European Agreement concerning the International carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PB1T: Persistent, Bioaccumulative and Toxic
- pVpB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- LOEL: Lowest Lethal Dose Observed
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/irritation – Category 2A
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

#### Sources

- Website, European Chemicals Agency (echa.europa.eu)
- Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
- Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
- Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.
1305 North Florida Avenue