1 Identification

- Product identifier
  - Trade name: POLYFLEX 57A ISO-CATALYST
  - Article number: WP57A.0
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: Polyval Coatings
    520, Boul. Curé Boivin
    BOISBRIAND, J7G 2A7 QC
    CANADA
- Information department: Product safety department
- Emergency telephone number:
  - USA and Canada: 1-800 424-9300
  - International: 1-703 527-3887

2 Hazard(s) identification

- Classification of the substance or mixture
  - Health hazard
    Resp. Sens. 1  H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
    Muta. 1B  H340  May cause genetic defects.
    Carc. 1B  H350  May cause cancer.
    STOT RE 2  H373  May cause damage to organs through prolonged or repeated exposure.

- GHS label elements
  - Signal word Danger
  - Hazard-determining components of labeling:
    4,4’-methylenediphenyl diisocyanate
    Solvent naphtha (petroleum), light arom.
    diphenylemethanediisocyanate, isomers and homologues
    o-(p-isocyanatobenzyl)phenyl isocyanate
  - Hazard statements
    H332  Harmful if inhaled.
    H315  Causes skin irritation.

(Contd. on page 2)
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
Keep out of reach from children.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
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.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P363 Wash contaminated clothing before reuse.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
- NFPA ratings (scale 0 - 4)
  Health = 2
  Fire = 1
  Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  Health = *2
  Fire = 1
  Reactivity = 0

Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients
- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
4 First-aid measures

- **Description of first aid measures**

  **General information:**
  Immediately remove any clothing soiled by the product.
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

  **After inhalation:**
  Supply fresh air and be sure to call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.

  **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.

  **After eye contact:**
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

  **After swallowing:**
  If symptoms persist consult doctor.

- **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:** Use fire fighting measures that suit the environment.

  **Special hazards arising from the substance or mixture**
  During heating or in case of fire poisonous gases are produced.

  **Advice for firefighters**

  **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Mount respiratory protective device.

  **Environmental precautions:** Do not allow to enter sewers/surface or ground water.

  **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.

  Ensure adequate ventilation.

- **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
    Ensure good ventilation/exhaustion at the workplace.
    Open and handle receptacle with care.
    Prevent formation of aerosols.
  - 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: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep receptacle tightly sealed.
  - 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 following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
    At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>PEL</th>
<th>REL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8 4,4'-methylenediphenyl disocyanate</td>
<td>Ceiling limit value: 0.2 mg/m³, 0.02 ppm</td>
<td>Ceiling limit value: 0.2* mg/m³, 0.02* ppm</td>
<td>Long-term value: 0.051 mg/m³, 0.005 ppm</td>
</tr>
<tr>
<td>584-84-9 4-methyl-m-phenylene diisocyanate</td>
<td>Ceiling limit value: 0.14 mg/m³, 0.02 ppm</td>
<td>See Pocket Guide App. A</td>
<td>Long-term value: 0.051 mg/m³, 0.005 ppm</td>
</tr>
<tr>
<td>91-08-7 2-methyl-m-phenylene diisocyanate</td>
<td>See Pocket Guide App. A</td>
<td>Long-term value: 0.036 mg/m³, 0.005 mg/m³, 0.005 NIC-0.001 ppm</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Store protective clothing separately.
    Avoid contact with the eyes and skin.
  - Breathing equipment:
    During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious).
    Wear suitable respiratory equipment. When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning
42.2.11

properties. When in a confined space wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

- Protection of hands:

![Protective gloves]

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- 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:

![Tightly sealed goggles]

9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:
  - Form: Fluid
  - Color: Amber colored
  - Odor: Light
  - Odor threshold: Not determined.

- pH-value: Not determined.

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 190 °C (374 °F)

- Flash point: 111 °C (232 °F)

- Flammability (solid, gaseous): Not applicable.

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

- Decomposition temperature: Not determined.

- Auto igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:
  - Lower: 0.4 Vol %
  - Upper: 0.0 Vol %

- Vapor pressure: Not determined.

- Density at 20 °C (68 °F): 1.09 g/cm³ (9.096 lbs/gal)
42.2.11
· Relative density  Not determined.
· Vapor density  Not determined.
· Evaporation rate  Not determined.
· Solubility in / Miscibility with Water:  Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):  Not determined.
· Viscosity:
  Dynamic:  Not determined.
  Kinematic:  Not determined.
· Other information  No further relevant information available.

10 Stability and reactivity
· Reactivity  No further relevant information available.
· Chemical stability
· Thermal decomposition / conditions to be avoided:  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:  No dangerous decomposition products known.

11 Toxicological information
· Information on toxicological effects
· Acute toxicity:
  LD/LC50 values that are relevant for classification:
  101-68-8 4,4’-methylene diphenyl diisocyanate
  Oral  LD50  2200 mg/kg (mouse)
  64742-95-6 Solvent naphtha (petroleum), light arom.
  Oral  LD50  >6800 mg/kg (rat)
  Dermal  LD50  >3400 mg/kg (rab)
  Inhalative  LC50/4h  >10.2 mg/l (rat)
  584-84-9 4-methyl-m-phenylene diisocyanate
  Oral  LD50  5800 mg/kg (rat)
· Primary irritant effect:
  on the skin:  Irritant to skin and mucous membranes.
  on the eye:  Irritating effect.
· Sensitization:
  Sensitization possible through inhalation.
  Sensitization possible through skin contact.
· Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  Harmful
  Irritant
  The product can cause inheritable damage.
· Carcinogenic categories
  IARC (International Agency for Research on Cancer)
  101-68-8 4,4’-methylene diphenyl diisocyanate  3
  9016-87-9 diphenylmethanediisocyanate, isomers and homologues  3
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:
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: Void
- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA: Void
- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA: Void
- Class
- Packing group
  - DOT, ADR, IMDG, IATA: Void
- 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.

(Contd. on page 8)
15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
  · Sara
    - Section 355 (extremely hazardous substances):
      584-84-9 4-methyl-m-phenylene diisocyanate
      91-08-7 2-methyl-m-phenylene diisocyanate
    - Section 313 (Specific toxic chemical listings):
      101-68-8 4,4’-methylene diphenyl diisocyanate
      9016-87-9 diphenylmethanediisocyanate, isomers and homologues
      584-84-9 4-methyl-m-phenylene diisocyanate
      91-08-7 2-methyl-m-phenylene diisocyanate
  · TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  · Proposition 65
    - Chemicals known to cause cancer:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.

· Carcinogenic categories
  · EPA (Environmental Protection Agency)
    101-68-8 4,4’-methylene diphenyl diisocyanate D, CBD
    9016-87-9 diphenylmethanediisocyanate, isomers and homologues CBD
  · TLV (Threshold Limit Value established by ACGIH)
    4-methyl-m-phenylene diisocyanate (A4)
    2-methyl-m-phenylene diisocyanate (A4)
  · NIOSH-Ca (National Institute for Occupational Safety and Health)
    584-84-9 4-methyl-m-phenylene diisocyanate
    91-08-7 2-methyl-m-phenylene diisocyanate

· GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
  · Hazard pictograms
    GHS07  GHS08

· Signal word Danger
  · Hazard-determining components of labeling:
    4,4’-methylene diphenyl diisocyanate
    Solvent naphtha (petroleum), light arom.
Trade name: POLYFLEX 57A ISO-CATALYST

- 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.
  H340 May cause genetic defects.
  H350 May cause cancer.
  H335 May cause respiratory irritation.
  H373 May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements
  P260 Do not breathe dust/fume/gas/mist/vapors/spray.
  P284 [In case of inadequate ventilation] wear respiratory protection.
  P280 Wear protective gloves.
  P280 Wear eye protection / face protection.
  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.
  P201 Obtain special instructions before use.
  P202 Do not handle until all safety precautions have been read and understood.
  P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P321 Specific treatment (see on this label).
  P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P312 Call a POISON CENTER/doctor if you feel unwell.
  P363 Wash contaminated clothing before reuse.
  P308+P313 IF exposed or concerned: Get medical advice/attention.
  P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  P337+P313 If eye irritation persists: Get medical advice/attention.
  P314 Get medical advice/attention if you feel unwell.
  P302+P352 IF ON SKIN: Wash with plenty of water.
  P362+P364 Take off contaminated clothing and wash it before reuse.
  P405 Store locked up.
  P403+P233 Store in a well-ventilated place. Keep container tightly closed.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:
- Additional classification according to Decree on Hazardous Materials:
  Carcinogenic hazardous material group III (dangerous).

- Information about limitation of use:
  Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- Department issuing SDS: Product safety department
- Contact: HS REG.DEPART.REG.SS
- Date of preparation / last revision: 04/25/2016 / -
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<table>
<thead>
<tr>
<th>Trade name: POLYFLEX 57A ISO-CATALYST</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG: International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>DOT: US Department of Transportation</td>
</tr>
<tr>
<td>IATA: International Air Transport Association</td>
</tr>
<tr>
<td>ACGIH: American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>EINECS: European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS: European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>CAS: Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>NFPA: National Fire Protection Association (USA)</td>
</tr>
<tr>
<td>HMIS: Hazardous Materials Identification System (USA)</td>
</tr>
<tr>
<td>LC50: Lethal concentration, 50 percent</td>
</tr>
<tr>
<td>LD50: Lethal dose, 50 percent</td>
</tr>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB: very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>NIOSH: National Institute for Occupational Safety</td>
</tr>
<tr>
<td>OSHA: Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>TLV: Threshold Limit Value</td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit</td>
</tr>
<tr>
<td>REL: Recommended Exposure Limit</td>
</tr>
<tr>
<td>BEI: Biological Exposure Limit</td>
</tr>
<tr>
<td>Acute Tox. 4: Acute toxicity – Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2: Skin corrosion/irritation – Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A</td>
</tr>
<tr>
<td>Resp. Sens. 1: Respiratory sensitisation – Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1: Skin sensitisation – Category 1</td>
</tr>
<tr>
<td>Mut. 1B: Germ cell mutagenicity – Category 1B</td>
</tr>
<tr>
<td>Carc. 1B: Carcinogenicity – Category 1B</td>
</tr>
<tr>
<td>STOT SE 3: Specific target organ toxicity (single exposure) – Category 3</td>
</tr>
<tr>
<td>STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2</td>
</tr>
</tbody>
</table>
1 Identification

- **Product identifier**
  - **Trade name:** POLYFLEX 57B BLACK
  - **Article number:** WP57B.79

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Wasser Corporation
    4118 B PL NW, Suite B
    Auburn, WA 98001, US
    Phone 253-850-2967

- **Information department:** Product safety department

- **Emergency telephone number:**
  - **EMERGENCY PHONE NUMBERS:**
    USA and Canada: 1-800 424-9300
    International: 1-703 527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Carc. 1B H350 May cause cancer.
  - STOT RE 1 H372 Causes 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**

  ![GHS08]

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - Extracts (petroleum), heavy paraffinic distillate solvent
  - Talc (Mg3H2(SiO3)4)

- **Hazard statements**
  - H350 May cause cancer.
  - H372 Causes damage to organs through prolonged or repeated exposure.

- **Precautionary statements**
  - Keep out of reach from children.
  - **P260** Do not breathe dust/fume/gas/mist/vapors/spray.
  - **P280** Wear protective gloves/protective clothing/eye protection/face protection.
  - **P264** Wash thoroughly after handling.
  - **P270** Do not eat, drink or smoke when using this product.
  - **P201** Obtain special instructions before use.
  - **P202** Do not handle until all safety precautions have been read and understood.
  - **P308+P313** IF exposed or concerned: Get medical advice/attention.
  - **P314** Get medical advice/attention if you feel unwell.
  - **P405** Store locked up.
  - **P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)
Trade name: POLYFLEX 57B BLACK

- Classification system:
- NFPA ratings (scale 0 - 4)

Health = 2
Fire = 1
Reactivity = 1

- HMIS-ratings (scale 0 - 4)

HEALTH
Health = *2
FIRE
Fire = 1
REACTIVITY
Reactivity = 1

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-04-7 Extracts (petroleum), heavy paraffinic distillate solvent</td>
<td>10-30%%</td>
</tr>
<tr>
<td>64742-95-6 Solvent naphtha (petroleum), light arom.</td>
<td>1-5%%</td>
</tr>
<tr>
<td>14807-96-6 Talc (Mg3H2(SiO3)4)</td>
<td>1-5%%</td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
<td>0.1-1%%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
- General information:
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- 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 or alcohol resistant foam.
  Special hazards arising from the substance or mixture No further relevant information available.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 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

- Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  Requirements to be met by storerooms and receptacles: No special requirements.
  Information about storage in one common storage facility: Not required.
  Further information about storage conditions: None.
- 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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>1333-86-4 Carbon black</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value: 3.5 mg/m³</td>
</tr>
<tr>
<td>REL Long-term value: 3.5* mg/m³</td>
</tr>
<tr>
<td>*0.1 in presence of PAHs; See Pocket Guide Apps.A+C</td>
</tr>
<tr>
<td>TLV Long-term value: 3* mg/m³</td>
</tr>
<tr>
<td>*inhalable fraction</td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
  General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Wash hands before breaks and at the end of work.
  Store protective clothing separately.
· Breathing equipment:
During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). Wear suitable respiratory equipment. When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning properties. When in a confined space wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· 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:

Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:
  Form: Fluid
  Color: Black
  Odor: Light
  Odor threshold: Not determined.
· pH-value: Not determined.
· Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: 351 °C (664 °F)
· Flash point: 94 °C (201 °F)
· Flammability (solid, gaseous): Not applicable.
· Ignition temperature: > 450 °C (> 842 °F)
· Decomposition temperature: Not determined.
· Auto igniting: Product is not selfigniting.
### 4. Danger of explosion:

- **Product does not present an explosion hazard.**

### 5. Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

### 6. Vapor pressure at 20 °C (68 °F):

- Not determined.

### 7. Density at 20 °C (68 °F):

- **1.27 g/cm³ (10.598 lbs/gal)**

### 8. Relative density

- Not determined.

### 9. Vapor density

- Not determined.

### 10. Evaporation rate

- Not determined.

### 11. Solubility in / Miscibility with

- **Water:** Not miscible or difficult to mix.

### 12. Partition coefficient (n-octanol/water)

- Not determined.

### 13. Viscosity:

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.
- **VOC content:** 5.1 %
  - 65.2 g/l / 0.54 lb/gl

### 14. Other information

- No further relevant information available.

### 10. Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** 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:** No dangerous decomposition products known.

### 11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

<table>
<thead>
<tr>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;6800 mg/kg (rat)</td>
<td>&gt;3400 mg/kg (rab)</td>
<td>&gt;10.2 mg/l (rat)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  The product shows the following dangers according to internally approved calculation methods for preparations.
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:
  Water hazard class 2 (Self-assessment): hazardous for water
  Do not allow product to reach ground water, water course or sewage system.
  Danger to drinking water if even small quantities leak into the ground.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
  Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: Void
- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA: Void
## 15 Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Sara**

  - **Section 355 (extremely hazardous substances):**
    
    None of the ingredients is listed.

  - **Section 313 (Specific toxic chemical listings):**
    
    | CAS Number | Chemical Name       |
    |------------|---------------------|
    | 1344-28-1  | aluminium oxide    |
    | 1330-20-7  | xylene              |
    | 100-41-4   | ethylbenzene        |

- **TSCA (Toxic Substances Control Act):**
  
  All ingredients are listed.

- **Proposition 65**

  - **Chemicals known to cause cancer:**
    
    | CAS Number | Chemical Name       |
    |------------|---------------------|
    | 1333-86-4  | Carbon black        |
    | 14808-60-7 | Quartz (SiO2)      |
    | 100-41-4   | ethylbenzene        |

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

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

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

- **Carcinogenic categories**

  - **EPA (Environmental Protection Agency)**
    
    | CAS Number | Chemical Name       | Category |
    |------------|---------------------|----------|
    | 1330-20-7  | xylene              | I        |
    | 100-41-4   | ethylbenzene        | D        |

  - **TLV (Threshold Limit Value established by ACGIH)**
    
    | CAS Number | Chemical Name       | TLV      |
    |------------|---------------------|----------|
    |             | Talc (Mg3H2(SiO3)4) | A4       |
    |             | Carbon black        | A4       |

(Contd. on page 8)
**Trade name: POLYFLEX 57B BLACK**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium oxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Hazard pictograms**

![GHS08]

**Signal word** Danger

**Hazard-determining components of labeling:**
- Extracts (petroleum), heavy paraffinic distillate solvent
- Talc (Mg3H2(SiO3)4)

**Hazard statements**
- H350 May cause cancer.
- H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements**
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**
- Additional classification according to Decree on Hazardous Materials:
  - Carcinogenic hazardous material group III (dangerous).

**Information about limitation of use:**
- Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
- Exceptions can be made by the authorities in certain cases.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**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.

- **Department issuing SDS:** Product safety department
- **Contact:** HS REG.DEPART.REG.SS
- **Date of preparation / last revision** 02/27/2017 / -
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
  - ACGIH: American Conference of Governmental Industrial Hygienists

(Contd. on page 9)
Trade name: POLYFLEX 57B BLACK

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Carc. 1B: Carcinogenicity – Category 1B
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
1 Identification

- Product identifier
- Trade name: POLYFLEX 57B RAL 7040 GREY
- Article number: WP57B.0255
- Details of the supplier of the safety data sheet
  Manufacturer/Supplier:
  Wasser Corporation
  4118 B PL NW, Suite B
  Auburn, WA 98001, US
  Phone 253-850-2967
- Information department: Product safety department
- Emergency telephone number:
  EMERGENCY PHONE NUMBERS:
  USA and Canada: 1-800 424-9300
  International: 1-703 527-3887

2 Hazard(s) identification

- Classification of the substance or mixture
  Health hazard
  Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Muta. 1B H340 May cause genetic defects.
  Carc. 1B H350 May cause cancer.

- Label elements
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  GHS08

- Signal word Danger
- Hazard-determining components of labeling:
  Extracts (petroleum), heavy paraffinic distillate solvent
  Solvent naphtha (petroleum), light arom.
  Stoddard solvent
  Talc (Mg3H2(SiO3)4)
- Hazard statements
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  H340 May cause genetic defects.
  H350 May cause cancer.
- Precautionary statements
  Keep out of reach from children.
  P284 [In case of inadequate ventilation] wear respiratory protection.
  P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P201 Obtain special instructions before use.
  P202 Do not handle until all safety precautions have been read and understood.
  P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  P308+P313 IF exposed or concerned: Get medical advice/attention.

(Contd. on page 2)
Trade name: POLYFLEX 57B RAL 7040 GREY

42.2.11

P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
- NFPA ratings (scale 0 - 4)
  
  Health = 2
  Fire = 1
  Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  
  HEALTH
  Fire = *2
  Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
  PBT: Not applicable.
  vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:
<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-04-7 Extracts (petroleum), heavy paraffinic distillate solvent</td>
<td>10-30%</td>
</tr>
<tr>
<td>64742-95-6 Solvent naphtha (petroleum), light arom.</td>
<td>1-5%</td>
</tr>
<tr>
<td>14807-96-6 Talc (Mg3H2(SiO3)4)</td>
<td>1-5%</td>
</tr>
<tr>
<td>13463-67-7 Titanium dioxide</td>
<td>1-5%</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>1-5%</td>
</tr>
<tr>
<td>4083-64-1 4-isocyanatosulphonyltoluene</td>
<td>0.1-1%</td>
</tr>
<tr>
<td>8052-41-3 Stoddard solvent</td>
<td>0.1-1%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: If symptoms persist consult doctor.
  - 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 or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
Trade name: POLYFLEX 57B RAL 7040 GREY

6 Accidental release measures

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- **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**
  - Ensure good ventilation/exhaustion at the workplace.
  - Open and handle receptacle with care.
  - Prevent formation of aerosols.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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 following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
  - At this time, the other constituents have no known exposure limits.

| 108-65-6 2-methoxy-1-methylethyl acetate | WEEL Long-term value: 50 ppm |
| 8052-41-3 Stoddard solvent | |

| PEL | Long-term value: 2900 mg/m³, 500 ppm |
| REL | Long-term value: 350 mg/m³ |
| Ceiling limit value: 1800* mg/m³ |
| *15-min |
| TLV | Long-term value: 525 mg/m³, 100 ppm |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.

- **Breathing equipment:**
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**

  ![Protective gloves](image)

  **Protective gloves**
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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

- **Eye protection:**

  ![Goggles](image)

  **Tightly sealed goggles**

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** Fluid
  - **Color:** Grey
  - **Odor:** Mild
  - **Odor threshold:** Not determined.

  **pH-value:** Not determined.

- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 351 °C (664 °F)

- **Flash point:** 94 °C (201 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** > 450 °C (> 842 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
### 4.2.11 Physical data

- **Vapor pressure at 20 °C (68 °F):** 1 hPa (1 mm Hg)
- **Density at 20 °C (68 °F):** 1.3 g/cm³ (10.849 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.
- **Other information** No further relevant information available.

### Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** 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:** No dangerous decomposition products known.

### Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
    | Solvent naphtha (petroleum), light arom. |
    | Oral  | LD50  | >6800 mg/kg (rat) |
    | Dermal| LD50  | >3400 mg/kg (rab) |
    | Inhalative | LC50/4 h | >10.2 mg/l (rab) |
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through inhalation.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
  - **Harmful**
  - The product can cause inheritable damage.
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    | 14807-96-6 Talc (Mg3H2(SiO3)4) | 2B |
    | 13463-67-7 titanium dioxide    | 2B |
    | 7631-86-9 silicon dioxide, chemically prepared | 3 |
    | 14808-60-7 Quartz (SiO2)       | 1  |
    | 100-41-4 ethylbenzene          | 2B |
    | 1330-20-7 xylene               | 3  |

(Contd. on page 6)
Trade name: POLYFLEX 57B RAL 7040 GREY

| 1333-86-4 | Carbon black | 2B |
| 14808-60-7 | Quartz (SiO2) | K |

- NTP (National Toxicology Program)
- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is 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:
    - Water hazard class 3 (Self-assessment): extremely hazardous for water
    - Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    - Danger to drinking water if even extremely small quantities leak into the ground.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: Void
- UN proper shipping name
  - DOT, ADR, IMDG, IATA: Void
- Transport hazard class(es)
  - DOT, ADR, IMDG, IATA: Void
  - Class: Void
- Packing group
  - DOT, ADR, IMDG, IATA: Void
- Environmental hazards:
  - Not applicable.
- 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
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings):
      - 1344-28-1 aluminium oxide
      - 100-41-4 ethylbenzene
      - 1330-20-7 xylene
    - TSCA (Toxic Substances Control Act):
      All ingredients are listed.
  - Proposition 65
    - Chemicals known to cause cancer:
      - 13463-67-7 titanium dioxide
      - 14808-60-7 Quartz (SiO2)
      - 100-41-4 ethylbenzene
      - 1333-86-4 Carbon black
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.
  - Carcinogenic categories
    - EPA (Environmental Protection Agency)
      - 100-41-4 ethylbenzene D
      - 1330-20-7 xylene I
    - TLV (Threshold Limit Value established by ACGIH)
      - Talc (Mg3H2(SiO3)4) A4
      - titanium dioxide A4
      - aluminium oxide A4
    - NIOSH-Ca (National Institute for Occupational Safety and Health)
      - 13463-67-7 titanium dioxide
      - 14808-60-7 Quartz (SiO2)
      - 1333-86-4 Carbon black
- GHS label elements
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  - GHS08

(Contd. on page 8)
Trade name: POLYFLEX 57B RAL 7040 GREY

- Signal word: Danger

- Hazard-determining components of labeling:
  - Extracts (petroleum), heavy paraffinic distillate solvent
  - Solvent naphtha (petroleum), light arom.
  - Stoddard solvent
  - Talc (Mg₃H₂(SiO₃)₄)

- Hazard statements
  - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - H340 May cause genetic defects.
  - H350 May cause cancer.

- Precautionary statements
  - P284 [In case of inadequate ventilation] wear respiratory protection.
  - P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P201 Obtain special instructions before use.
  - P202 Do not handle until all safety precautions have been read and understood.
  - P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  - P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  - P308+P313 IF exposed or concerned: Get medical advice/attention.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:

- Additional classification according to Decree on Hazardous Materials:
  - Carcinogenic hazardous material group III (dangerous).

- Information about limitation of use:
  - Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
  - Exceptions can be made by the authorities in certain cases.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- Department issuing SDS: Product safety department
- Contact: HS REG.DEPART.REG.SS
- Date of preparation / last revision 04/25/2016 / -

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- HMIS: Hazardous Materials Identification System (USA)
- 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
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Resp. Sens. 1: Respiratory sensitisation – Category 1
Trade name: POLYFLEX 57B RAL 7040 GREY

- Muta. 1B: Germ cell mutagenicity – Category 1B
- Carc. 1B: Carcinogenicity – Category 1B

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