1 Identification

- **Product identifier**
- **Trade name:** MC-CLEAR 100
- **Article number:** W271.0 W271.0SG
- **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**
  - Flam. Liq. 2 H225 Highly flammable liquid and vapor.
  - 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.
  - Muta. 1B H340 May cause genetic defects.
  - Carc. 1B H350 May cause cancer.
  - STOT SE 3 H335 May cause respiratory irritation.

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

![GHS02 GHS07 GHS08]

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - Hexane, 1,6-diisocyanato-, homopolymer
  - Solvent naphtha (petroleum), light arom.
  - isophorone di-isocyanate
  - hexamethylene-di-isocyanate

- **Hazard statements**
  - H225 Highly flammable liquid and vapor.
  - 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.
Trade name: MC-CLEAR 100

- Precautionary statements
  Keep out of reach from children.
  P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  P241 Use explosion-proof electrical/ventilating/lighting/equipment.
  P284 [In case of inadequate ventilation] wear respiratory protection.
  P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  P280 Wear protective gloves / eye protection / face protection.
  P240 Ground/bond container and receiving equipment.
  P242 Use only non-sparking tools.
  P243 Take precautionary measures against static discharge.
  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.
  P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  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.
  P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
  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.
  P403+P235 Store in a well-ventilated place. Keep cool.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    ![NFPA Ratings]
    Health = 3
    Fire = 3
    Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    ![HMIS Ratings]
    Health = *3
    Fire = 3
    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.

<table>
<thead>
<tr>
<th>Chemical Characterization</th>
<th>Composition/Information on Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-88-5 tert-butyl acetate</td>
<td>30-60%</td>
</tr>
<tr>
<td>28182-81-2 Hexane, 1,6-diisocyanato-, homopolymer</td>
<td>10-30%</td>
</tr>
<tr>
<td>53880-05-0 Homopolymer of IPDI</td>
<td>1-5%</td>
</tr>
<tr>
<td>110-43-0 methyl amyl ketone</td>
<td>1-5%</td>
</tr>
<tr>
<td>64742-95-6 Solvent naphtha (petroleum), light arom.</td>
<td>1-5%</td>
</tr>
<tr>
<td>4098-71-9 isophorone di-isocyanate</td>
<td>0.1-1%</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
· General information: Immediately remove any clothing soiled by the product.
· After inhalation:
  Supply fresh air and to be sure 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:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet
· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
· 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.
Trade name: MC-CLEAR 100

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 ignition sources away - Do not smoke.
    Protect against electrostatic charges.
    Keep respiratory protective device available.
  - Conditions for safe storage, including any incompatible
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store in a cool location.
    - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    Keep receptacle tightly sealed.
    Store in cool, dry conditions in well sealed receptacles.
  - 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>540-88-5 tert-butyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value: 950 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>REL Long-term value: 950 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>TLV Short-term value: 712 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>Long-term value: 238 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>110-43-0 methyl amyl ketone</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value: 465 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>REL Long-term value: 465 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>TLV Long-term value: 233 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4098-71-9 isophorone di-isocyanate</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL Short-term value: 0.18 mg/m³, 0.02 ppm</td>
</tr>
<tr>
<td>Long-term value: 0.045 mg/m³, 0.005 ppm</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>Long-term value: 0.045 mg/m³, 0.005 ppm</td>
</tr>
<tr>
<td>TLV Long-term value: 0.045 mg/m³, 0.005 ppm</td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
Trade name: MC-CLEAR 100

- 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 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: Clear/Milky
      - Odor: Aromatic
      - Odor threshold: Not determined.
    - pH-value: Not determined.
  - Change in condition
    - Melting point/Melting range: Undetermined.
### 42.2.28 Boiling point/Boiling range:
- 97 °C (207 °F)

### 42.2.28 Flash point:
- 15 °C (59 °F)

### 42.2.28 Flammability (solid, gaseous):
- Not applicable.

### 42.2.28 Ignition temperature:
- Not determined.

### 42.2.28 Auto igniting:
- Product is not selfigniting.

### 42.2.28 Danger of explosion:
- Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

### 42.2.28 Explosion limits:
- Lower: Not determined.
- Upper: Not determined.

### 42.2.28 Vapor pressure at 20 °C (68 °F):
- 41 hPa (31 mm Hg)

### 42.2.28 Density at 20 °C (68 °F):
- 0.95-1.01 g/cm³ (7.928-8.428 lbs/gal)

### 42.2.28 Relative density
- Not determined.

### 42.2.28 Vapor density
- Not determined.

### 42.2.28 Evaporation rate
- Not determined.

### 42.2.28 Solubility in / Miscibility with Water:
- Not miscible or difficult to mix.

### 42.2.28 Partition coefficient (n-octanol/water):
- Not determined.

### 42.2.28 Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.

### 42.2.28 Other information
- No further relevant information available.

## 10 Stability and reactivity

### 10 Stability and reactivity
- **Reactivity**: No further relevant information available.
- **Chemical stability**: Not determined.
- **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

### 11 Toxicological information
- **Information on toxicological effects**
- **Acute toxicity**:

#### 11 Toxicological information
- **LD/LC50 values that are relevant for classification**:

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

(Contd. on page 7)
Trade name: MC-CLEAR 100

822-06-0 hexamethylene-di-isocyanate

口 Oral LD50 738 mg/kg (rat)
口 Dermal LD50 593 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)
    1330-20-7 xylene 3
    14808-60-7 Quartz (SiO2) 1
    100-41-4 ethylbenzene 2B
  - NTP (National Toxicology Program)
    14808-60-7 Quartz (SiO2) K
  - 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 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.
Safety Data Sheet
acc. to OSHA HCS

Printing date 11/29/2016
Reviewed on 09/02/2015

Trade name: MC-CLEAR 100

(Contd. of page 7)

· Uncleaned packagings:
  · Recommendation: Disposal must be made according to official regulations.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>UN1263</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Paint</td>
</tr>
<tr>
<td>DOT</td>
<td>1263 Paint</td>
</tr>
<tr>
<td>ADR, IMDG, IATA</td>
<td>PAINT</td>
</tr>
</tbody>
</table>

· Transport hazard class(es)
  · DOT

  - Class 3 Flammable liquids
  - Label 3

· ADR, IMDG, IATA

  - Class 3 Flammable liquids
  - Label 3

· Packing group
  · DOT, ADR, IMDG, IATA II

· Environmental hazards:
  · Marine pollutant: No

· Special precautions for user
  · Danger code (Kemler): 33
  · EMS Number: F-E,S-E
  · Stowage Category B

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:
  · DOT
  · Quantity limitations
  - On passenger aircraft/rail: 5 L
  - On cargo aircraft only: 60 L

  · ADR
  · Excepted quantities (EQ) Code: E2
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 500 ml

(Contd. on page 9)
### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):**
      - 4098-71-9 isophorone di-isocyanate
    - **Section 313 (Specific toxic chemical listings):**
      - 4098-71-9 isophorone di-isocyanate
      - 95-63-6 1,2,4-trimethylbenzene
      - 822-06-0 hexamethylene-di-isocyanate
      - 1330-20-7 xylene
      - 100-41-4 ethylbenzene
  - **TSCA (Toxic Substances Control Act):**
    - All ingredients are listed.
  - **Proposition 65**
    - **Chemicals known to cause cancer:**
      - 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)**
    - 1330-20-7 xylene 1
    - 100-41-4 ethylbenzene D
  - **TLV (Threshold Limit Value established by ACGIH)**
    - None of the ingredients is listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - 14808-60-7 Quartz (SiO2)
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: MC-CLEAR 100

- **Hazard pictograms**
  ![Pictograms](image)

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  Hexane, 1,6-diisocyanato-, homopolymer
  Solvent naphtha (petroleum), light arom.
  isophorone di-isocyanate
  hexamethylene-di-isocyanate

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  H350 May cause cancer.
  H335 May cause respiratory irritation.

- **Precautionary statements**
  P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  P241 Use explosion-proof electrical/ventilating/lighting/equipment.
  P284 [In case of inadequate ventilation] wear respiratory protection.
  P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  P280 Wear protective gloves / eye protection / face protection.
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  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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  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.
  P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
  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.
  P403+P235 Store in a well-ventilated place. Keep cool.
Trade name: MC-CLEAR 100

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 11/29/2016 / -
- 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)
  NMIS: 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
  Flam. Liq. 2: Flammable liquids – Category 2
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  Resp. Sens. 1: Respiratory sensitisation – Category 1
  Skin Sens. 1: Skin sensitisation – Category 1
  Muta. 1B: Germ cell mutagenicity – Category 1B
  Carc. 1B: Carcinogenicity – Category 1B
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3