# 1 Identification

- **Product identifier**
- **Trade name**: Semi-Volatiles Standard (1X1 mL)
- **Part number**: US-455-1
- **Application of the substance / the mixture**: Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: Agilent Technologies, Inc.
    5301 Stevens Creek Blvd.
    Santa Clara, CA 95051 USA
  - **Information department**:
    Telephone: 800-227-9770
    e-mail: pdl-msds_author@agilent.com
  - **Emergency telephone number**: CHEMTREC®: 1-800-424-9300

# 2 Hazard identification

## Classification of the substance or mixture

<table>
<thead>
<tr>
<th>GHS07</th>
<th>Acute Toxicity (Oral) - Category 4</th>
<th>H302</th>
<th>Harmful if swallowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acute Toxicity (Dermal) – Category 4</td>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td></td>
<td>Skin Irritation - Category 2</td>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>Eye Irritation - Category 2A</td>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>Skin Sensitizer - Category 1</td>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td></td>
<td>Specific Target Organ Toxicity - Single Exposure - Category 3</td>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

**GHS08 Health hazard**

- Germ Cell Mutagenicity - Category 1B H340  May cause genetic defects.
- Carcinogenicity - Category 1A H350  May cause cancer.
- Reproductive Toxicity - Category 2 H361  Suspected of damaging fertility or the unborn child.
- Specific Target Organ Toxicity - Repeated Exposure - Category 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
Trade name: Semi-Volatiles Standard (1X1 mL)

· Hazard-determining components of labeling:
  dichloromethane
  4,4'-oxydianiline and its salts
  2-methoxyaniline
  5-nitro-o-toluidine
  4-methyl-m-phenylene diamine

· Hazard statements
  Harmful if swallowed or in contact with skin.
  Causes skin irritation.
  Causes serious eye irritation.
  May cause an allergic skin reaction.
  May cause genetic defects.
  May cause cancer.
  Suspected of damaging fertility or the unborn child.
  May cause respiratory irritation.
  May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Do not breathe dust/fume/gas/mist/vapours/spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Contaminated work clothing should not be allowed out of the workplace.
  Wear protective gloves/protective clothing/eye protection/face protection.
  If swallowed: Call a poison center/doctor if you feel unwell.
  Rinse mouth.
  If on skin: Wash with plenty of water.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
  Continue rinsing.
  IF exposed or concerned: Get medical advice/attention.
  Get medical advice/attention if you feel unwell.
  Take off contaminated clothing and wash it before reuse.
  Specific measures (see on this label).
  If skin irritation or rash occurs: Get medical advice/attention.
  If eye irritation persists: Get medical advice/attention.
  Take off immediately all contaminated clothing.
  Wash contaminated clothing before reuse.
  Store in a well-ventilated place. Keep container tightly closed.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)
  Health = 2
  Fire = 0
  Reactivity = 0
Trade name: Semi-Volatiles Standard (1X1 mL)

- HMIS-ratings (scale 0 - 4)

  HEALTH 2: Health = *2
  FIRE 0: Fire = 0
  REACTIVITY 0: Reactivity = 0

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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>97.738% w/w</td>
</tr>
<tr>
<td>53-96-3</td>
<td>2-acetylaminofluorene</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>60-09-3</td>
<td>4-aminoazobenzene</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>90-04-0</td>
<td>2-methoxyaniline</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>95-79-4</td>
<td>5-chloro-o-toluidine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>120-71-8</td>
<td>6-methoxy-m-toluidine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>95-80-7</td>
<td>4-methyl-m-phenylene diamine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>119-90-4</td>
<td>3,3’-dimethoxybenzidine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>99-55-8</td>
<td>5-nitro-o-toluidine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>56-57-5</td>
<td>4-Nitroquinoline-1-oxide</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>101-80-4</td>
<td>4,4’-oxydianiline and its salts</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>95-53-4</td>
<td>o-toluidine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>55-18-5</td>
<td>diethylnitrosoamine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>10595-95-6</td>
<td>N-Nitrosomethylethylamine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>59-89-2</td>
<td>N-nitrosomorpholine</td>
<td>0.151% w/w</td>
</tr>
<tr>
<td>930-55-2</td>
<td>1-nitrosopyrrolidine</td>
<td>0.151% w/w</td>
</tr>
</tbody>
</table>

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 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:
  Immediately call a doctor.
- Information for doctor:
  Most important symptoms and effects, both acute and delayed
  No further relevant information available.

(Contd. on page 4)
Trade name: Semi-Volatiles Standard (1X1 mL)

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

5 Firefighting 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.
Trade name: Semi-Volatiles Standard (1X1 mL)

Control parameters

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>REF</th>
<th>Substance</th>
<th>EL Limit Value</th>
<th>IARC</th>
<th>EV Limit Value</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>25 ppm</td>
<td>2A</td>
<td>175 mg/m³, 50 ppm</td>
<td></td>
</tr>
<tr>
<td>90-04-0</td>
<td>2-methoxyaniline</td>
<td>0.5 mg/m³</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>95-80-7</td>
<td>4-methyl-m-phenylene diamine</td>
<td>1 mg/m³</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>99-55-8</td>
<td>5-nitro-o-toluidine</td>
<td>1 mg/m³</td>
<td></td>
<td>1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>95-53-4</td>
<td>o-toluidine</td>
<td>2 ppm</td>
<td>1</td>
<td>9 mg/m³, 2 ppm</td>
<td>1</td>
</tr>
<tr>
<td>55-18-5</td>
<td>diethylnitrosoamine</td>
<td></td>
<td>2A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10595-95-6</td>
<td>N-Nitrosomethylethylamine</td>
<td></td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59-89-2</td>
<td>N-nitrosomorpholine</td>
<td></td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930-55-2</td>
<td>1-nitrosopyrrolidine</td>
<td></td>
<td>2B</td>
<td></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:
When used as intended with Agilent instruments, the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device/equipment with appropriate organic or acid gas cartridge.
### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - Form: Fluid
      - Color: Colorless
    - **Odor:** Like chlorine
    - **Odor threshold:** Not determined.
  - **pH-value:** Not determined.

- **Change in condition**
  - **Melting point/Melting range:** -95.1 °C
  - **Boiling point/Boiling range:** 40 °C

- **Flash point:** Not applicable.

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

- **Ignition temperature:** 605 °C

- **Decomposition temperature:** Not determined.

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

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

- **Explosion limits:**
  - Lower: 13 Vol %
  - Upper: 22 Vol %

- **Vapor pressure at 20 °C:** 360 hPa

- **Density at 20 °C:** 1.3 g/cm³
  - **Relative density:** Not determined.
  - **Vapor density:** Not determined.
## 48.1.26
- **Evaporation rate**: Not determined.
- **Solubility in / Miscibility with Water at 20 °C**: 20 g/l
- **Partition coefficient (n-octanol/water)**: Not determined.
- **Viscosity**:
  - Dynamic at 20 °C: 0.43 mPas
  - Kinematic: Not determined.
- **Solvent content**:
  - Organic solvents: 97.9 %
- **Solids content**: 1.5 %
- **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**:
      - **ATE (Acute Toxicity Estimate)**
        | Route   | LD50/LC50 |
        |---------|-----------|
        | Oral    | 1,483 mg/kg |
        | Dermal  | >1,946 mg/kg |
        | Inhalative | 73.4 mg/L |
      - **75-09-2 dichloromethane**
        | Route   | LD50/LC50 |
        |---------|-----------|
        | Oral    | 1,600 mg/kg (rat) |
        | Dermal  | >2,000 mg/kg (rat) |
        | Inhalative | 88 mg/L (rat) |
      - **53-96-3 2-acetylaminofluorene**
        | Route   | LD50/LC50 |
        |---------|-----------|
        | Oral    | 850 mg/kg (mouse) |
      - **90-04-0 2-methoxyaniline**
        | Route   | LD50/LC50 |
        |---------|-----------|
        | Oral    | 2,000 mg/kg (rat) |
      - **95-79-4 5-chloro-o-toluidine**
        | Route   | LD50/LC50 |
        |---------|-----------|
        | Oral    | 464 mg/kg (rat) |
### 48.1.26

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test Route</th>
<th>Oral LD₅₀</th>
<th>Dermal LD₅₀</th>
<th>Inhalative LC₅₀/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-71-8 6-methoxy-m-toluidine</td>
<td>Oral</td>
<td>1,450 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>119-90-4 3,3′-dimethoxybenzidine</td>
<td>Oral</td>
<td>1,920 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-80-4 4,4′-oxydianiline and its salts</td>
<td>Oral</td>
<td>725 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>95-53-4 o-toluidine</td>
<td>Oral</td>
<td>900 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>3,244 mg/kg (rabbit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalative</td>
<td>862 mg/L (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>55-18-5 diethylnitrosoamine</td>
<td>Oral</td>
<td>220 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10595-95-6 N-Nitrosomethylethylamine</td>
<td>Oral</td>
<td>90 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59-89-2 N-nitrosomorpholine</td>
<td>Oral</td>
<td>282 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930-55-2 1-nitrosopyrrolidine</td>
<td>Oral</td>
<td>900 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Primary irritant effect:
- **on the skin**: Irritant to skin and mucous membranes.
- **on the eye**: Irritating effect.
- **Sensitization**: 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

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2 dichloromethane</td>
<td>2A</td>
<td></td>
</tr>
<tr>
<td>60-09-3 4-aminooazobenzene</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>90-04-0 2-methoxyaniline</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>95-79-4 5-chloro-o-toluidine</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>120-71-8 6-methoxy-m-toluidine</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>95-80-7 4-methyl-m-phenylene diamine</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>119-90-4 3,3′-dimethoxybenzidine</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>99-55-8 5-nitro-o-toluidine</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>101-80-4 4,4′-oxydianiline and its salts</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>95-53-4 o-toluidine</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>55-18-5 diethylnitrosoamine</td>
<td>2A</td>
<td></td>
</tr>
<tr>
<td>10595-95-6 N-Nitrosomethylethylamine</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>59-89-2 N-nitrosomorpholine</td>
<td>2B</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 9)
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

- Not Regulated, De minimus Quantities -
Trade name: Semi-Volatiles Standard (1X1 mL)

- **UN-Number**: UN1590
- **DOT, TDG, IMDG, IATA**: Dichloroanilines, liquid
- **UN proper shipping name**: 1590 DICHLOROANILINES, LIQUID
- **DOT, TDG, IMDG, IATA**: DICHLOROANILINES, LIQUID

- **Transport hazard class(es)**
  - **DOT, TDG, IMDG, IATA**

  - **Class**: 6.1 Toxic substances
  - **Label**: 6.1
  - **Packing group**: II

- **Environmental hazards**: Not applicable.

- **Special precautions for user**
  - **Warning**: Toxic substances
  - **Danger code (Kemler)**: 60
  - **EMS Number**: F-A,S-A

- **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
  - **TDG**
    - **Excepted quantities (EQ)**
      - Code: E4
      - Maximum net quantity per inner packaging: 1 ml
      - Maximum net quantity per outer packaging: 500 ml
  - **IMDG**
    - **Limited quantities (LQ)**: 100ml
    - **Excepted quantities (EQ)**
      - Code: E4
      - Maximum net quantity per inner packaging: 1 ml
      - Maximum net quantity per outer packaging: 500 ml
  - **UN "Model Regulation"**: UN 1590 DICHLOROANILINES, LIQUID, 6.1, II
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                  |
      |------------|--------------------------------|
      | 75-09-2    | dichloromethane               |
      | 53-96-3    | 2-acetylaminofluorene         |
      | 60-09-3    | 4-aminoazobenzene             |
      | 90-04-0    | 2-methoxyaniline              |
      | 120-71-8   | 6-methoxy-m-toluidine         |
      | 95-80-7    | 4-methyl-m-phenylene diamine  |
      | 119-90-4   | 3,3'-dimethoxybenzidine       |
      | 99-55-8    | 5-nitro-o-toluidine           |
      | 101-80-4   | 4,4'-oxydianiline and its salts |
      | 95-53-4    | o-toluidine                   |
      | 55-18-5    | diethylnitrosamine            |
      | 59-89-2    | N-nitrosomorpholine           |
  · TSCA (Toxic Substances Control Act):
    | CAS Number | Chemical Name                  |
    |------------|--------------------------------|
    | 75-09-2    | dichloromethane               |
    | 53-96-3    | 2-acetylaminofluorene         |
    | 60-09-3    | 4-aminoazobenzene             |
    | 90-04-0    | 2-methoxyaniline              |
    | 95-79-4    | 5-chloro-o-toluidine          |
    | 120-71-8   | 6-methoxy-m-toluidine         |
    | 95-80-7    | 4-methyl-m-phenylene diamine  |
    | 119-90-4   | 3,3'-dimethoxybenzidine       |
    | 99-55-8    | 5-nitro-o-toluidine           |
    | 101-80-4   | 4,4'-oxydianiline and its salts |
    | 95-53-4    | o-toluidine                   |
    | 55-18-5    | diethylnitrosamine            |
    | 930-55-2   | 1-nitrosopyrrolidine          |
  · Canadian substance listings:
    · Canadian Domestic Substances List (DSL)
      | CAS Number | Chemical Name                  |
      |------------|--------------------------------|
      | 75-09-2    | dichloromethane               |
      | 60-09-3    | 4-aminoazobenzene             |
      | 90-04-0    | 2-methoxyaniline              |
      | 95-80-7    | 4-methyl-m-phenylene diamine  |
      | 119-90-4   | 3,3'-dimethoxybenzidine       |
      | 95-53-4    | o-toluidine                   |
### Safety Data Sheet

#### according to HPR, Schedule 1

**Printing date:** 03/29/2019  
**Reviewed on:** 03/29/2019

**Trade name:** Semi-Volatiles Standard (1X1 mL)

<table>
<thead>
<tr>
<th>Compounds</th>
<th>CAS Number</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td></td>
</tr>
<tr>
<td>53-96-3</td>
<td>2-acetylaminoflourene</td>
<td></td>
</tr>
<tr>
<td>90-04-0</td>
<td>2-methoxyaniline</td>
<td></td>
</tr>
<tr>
<td>120-71-8</td>
<td>6-methoxy-m-toluidine</td>
<td></td>
</tr>
<tr>
<td>95-80-7</td>
<td>4-methyl-m-phenylene diamine</td>
<td></td>
</tr>
<tr>
<td>119-90-4</td>
<td>3,3'-dimethoxybenzidine</td>
<td></td>
</tr>
<tr>
<td>95-53-4</td>
<td>o-toluidine</td>
<td></td>
</tr>
<tr>
<td>55-18-5</td>
<td>diethylnitrosoamine</td>
<td></td>
</tr>
<tr>
<td>59-89-2</td>
<td>N-nitrosomorpholine</td>
<td></td>
</tr>
<tr>
<td>930-55-2</td>
<td>1-nitrosopyrrolidine</td>
<td></td>
</tr>
</tbody>
</table>

- **Canadian Ingredient Disclosure list (limit 0.1%)**
- **Canadian Ingredient Disclosure list (limit 1%)**

- **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

- **The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.**

- **Date of the latest revision of the safety data sheet:** 03/29/2019 / 1

- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative