1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
- Trade name: Touch N Foam Pro System 15 CCMC Part - A
- Article number: EHS2921 - MSDS/REG A

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

1.3 Details of the supplier of the Safety Data Sheet
- Manufacturer/Supplier: Convenience Products, division of Clayton Corp.
  866 Horan Drive
  Fenton, MO 63026-2416
  Phone: 636-349-5855

1.4 Emergency telephone number:
- ChemTel Inc.
  (800)255-3924, +1 (813)248-0585

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard
- Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

GHS07
- Acute Tox. 4 H332 Harmful if inhaled.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

- Xn; Harmful

- Xn; Sensitising
  - R42/43: May cause sensitisation by inhalation and skin contact.

- Xi; Irritant
  - R36/37/38: Irritating to eyes, respiratory system and skin.

(Contd. on page 2)
Trade name: Touch N Foam Pro System 15 CCMC Part - A

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Warning! Pressurized container.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

- Hazard pictograms

GHS07 GHS08

- Signal word Danger

- Hazard-determining components of labelling:
  polymethylene polyphenylene isocyanate
  4,4’-methylene diphenyl diisocyanate
  o-(p-isocyanatobenzyl)phenyl isocyanate
  proprietary chlorinated olefin solvent
- 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.
  H335 May cause respiratory irritation.
  H373 May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P103 Read label before use.
  P260 Do not breathe dust/fume/gas/mist/vapours/spray.
  P285 In case of inadequate ventilation wear respiratory protection.
  P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P264 Wash thoroughly after handling.
  P271 Use only outdoors or in a well-ventilated area.
  P272 Contaminated work clothing should not be allowed out of the workplace.
  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 or doctor/physician.
Trade name: Touch N Foam Pro System 15 CCMC Part - A

P362 Take off contaminated clothing and wash before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P363 Wash contaminated clothing before reuse.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P332+P313 If skin irritation occurs: 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 soap and water.
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.

- **Additional information:**
  Contains isocyanates. May produce an allergic reaction.
  Contains polymethylene polyphenylene isocyanate, 4,4’-methylenediphenyl diisocyanate, o-(p-isocyanatobenzyl)phenyl isocyanate. May produce an allergic reaction.
  Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
  1,6 % by mass of the contents are flammable

- **Hazard description:**
  - **WHMIS-symbols:**
    A - Compressed gas
    D1B - Toxic material causing immediate and serious toxic effects
    D2A - Very toxic material causing other toxic effects

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

- **HMIS-ratings (scale 0 - 4)**
  - HEALTH: Health = *2
  - FIRE: Fire = 0
  - REACTIVITY: Reactivity = 1
  * - Indicates a long term health hazard from repeated or prolonged exposures.

- **HMIS Long Term Health Hazard Substances**
  - 101-68-8 4,4’-methylenediphenyl diisocyanate
  - 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate
  - 9016-87-9 polymethylene polyphenylene isocyanate

(Contd. of page 2)
Trade name: Touch N Foam Pro System 15 CCMC Part - A

(Contd. of page 3)

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

3 Composition/information on ingredients

- 3.2 Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS:</th>
<th>Composition</th>
<th>Risk phrases</th>
<th>CAS:</th>
<th>Composition</th>
<th>Risk phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9</td>
<td>polymethylene polyphenylene isocyanate</td>
<td>Xn R20-40-48/20; Xn R42/43; Xi R36/37/38</td>
<td>101-68-8</td>
<td>4,4'-methylene diisocyanate</td>
<td>Xn R20; Xn R42/43; Xi R36/37/38</td>
</tr>
<tr>
<td>EINECS:</td>
<td></td>
<td></td>
<td>Index number:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>202-966-0</td>
<td></td>
<td></td>
<td>615-005-00-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS:</td>
<td>Norflurane</td>
<td></td>
<td>CAS:</td>
<td></td>
<td>Propytr 82/53</td>
</tr>
<tr>
<td>811-97-2</td>
<td></td>
<td></td>
<td>EINECS:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>212-377-0</td>
<td></td>
<td></td>
<td>5873-54-1</td>
<td>(p-isocyanatobenzyl)phenyl isocyanate</td>
<td>Xn R20; Xn R42/43; Xi R36/37/38</td>
</tr>
<tr>
<td>EINECS:</td>
<td></td>
<td></td>
<td>Index number:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>227-534-9</td>
<td></td>
<td></td>
<td>615-005-00-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 4 First aid measures

- 4.1 Description of first aid measures
  - General information:
    - Take affected persons out into the fresh air.
    - Do not leave affected persons unattended.

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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.
  Immediately remove any clothing soiled by the product.
  Do not pull solidified product off the skin.
  If skin irritation continues, consult a doctor.

- **After eye contact:**
  Protect unharmed eye.
  Rinse opened eye for several minutes under running water.
  Do not remove contact lenses if worn.
  Seek medical treatment.

- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**
Coughing
Breathing difficulty
Dizziness
Headache
Cyanosis

**Hazards**
Danger of impaired breathing.
Danger of pulmonary oedema.
Danger of pneumonia.
Danger of convulsion.
Condition may deteriorate with alcohol consumption.

**4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
Later observation for pneumonia and pulmonary oedema.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Do not administer preparations of the adrenalin-ephrine-group.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

**5 Firefighting measures**

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:**
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** None.

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5.2 Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Hydrogen cyanide (HCN)
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters
- **Protective equipment:**
  Do not inhale explosion gases or combustion gases.
  Wear self-contained respiratory protective device.
  Wear fully protective suit.
- **Additional information**
  Cool endangered receptacles with water spray.
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use respiratory protective device against the effects of fumes/dust/aerosol.
Remove persons from danger area.
Ensure adequate ventilation
Protect from heat.
Wear protective equipment. Keep unprotected persons away.

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

6.3 Methods and material for containment and cleaning up:
Allow to solidify. Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Organic solvent

6.4 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

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.

**Information about fire - and explosion protection:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e.
electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
Keep respiratory protective device available.

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GHS

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- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerrooms and receptacles:
      Store in a cool location.
      Observe official regulations on storing packagings with pressurized containers.
    - Information about storage in one common storage facility:
      Store away from foodstuffs.
      Do not store together with oxidizing and acidic materials.
    - Further information about storage conditions:
      Store in cool, dry conditions in well sealed receptacles.
      Protect from heat and direct sunlight.
      Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
  - 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

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

- 8.1 Control parameters

<table>
<thead>
<tr>
<th>Ingredients with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8 4,4'-methylene diphenyl diisocyanate</td>
</tr>
<tr>
<td>PEL (USA) Short-term value: C 0,2 mg/m³, C 0,02 ppm</td>
</tr>
<tr>
<td>REL (USA) Short-term value: C 0,2 ppm, C 0,02 ppm</td>
</tr>
<tr>
<td>Long-term value: 0,05 mg/m³, 0,005 ppm*10-min</td>
</tr>
<tr>
<td>TLV (USA) 0,051 mg/m³, 0,005 ppm</td>
</tr>
<tr>
<td>EL (Canada) Short-term value: C 0,01 ppm</td>
</tr>
<tr>
<td>Long-term value: 0,005 ppm</td>
</tr>
<tr>
<td>Skin; S</td>
</tr>
<tr>
<td>EV (Canada) 0,005 ppm</td>
</tr>
</tbody>
</table>

811-97-2 Norflurane

<table>
<thead>
<tr>
<th>WEEL (USA)</th>
<th>1000 ppm</th>
</tr>
</thead>
</table>

proprietary chlorinated olefin solvent

| PEL (USA) | 790 mg/m³, 200 ppm |
| REL (USA) | 790 mg/m³, 200 ppm |
| TLV (USA) | 793 mg/m³, 200 ppm |
| EL (Canada) | 200 ppm |
| EV (Canada) Short-term value: 990 mg/m³, 250 ppm |
| Long-term value: 790 mg/m³, 200 ppm |

- DNELs No further relevant information available.
- PNECs No further relevant information available.
- Additional information: The lists valid during the making were used as basis.

(Contd. on page 8)
### 8.2 Exposure controls
- **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. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.
- **Respiratory protection:**
  Use suitable respiratory protective device in case of insufficient ventilation.
  Use suitable respiratory protective device when high concentrations are present.
- **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:**
    Contact lenses should not be worn.

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### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties
- **General Information**
- **Appearance:**
  - Form: Aerosol

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**Trade name:** Touch N Foam Pro System 15 CCMC Part - A

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- **Colour:** Amber coloured
- **Odour:** Sweetish
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 7
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Not applicable, as aerosol.
- **Flash point:** Not applicable, as aerosol.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 400 °C (App. 750 °F)
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 1.2 g/cm³
- **Relative density**
  - Relative density: 1.2
- **Vapour density**
  - Not determined.
- **Evaporation rate**
  - Not applicable.
- **Solubility in / Miscibility with water:** Partly miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content:**
  - Organic solvents: %
  - VOC (EC): %
- **9.2 Other information** No further relevant information available.

---

**10 Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used and stored according to specifications.

(Contd. on page 10)
11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8 4,4’-methylene diisocyanate</td>
<td>2200 mg/kg (mouse)</td>
<td></td>
</tr>
</tbody>
</table>

Primary irritation:
- 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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
- Harmful
- Irritant

12 Ecological information

12.1 Toxicity
- Aquatic toxicity: The product contains materials that are harmful to the environment.
- 12.2 Persistence and degradability: The product is partially biodegradable. Significant residuals remain.
- 12.3 Bioaccumulative potential: Does not accumulate in organisms.
- 12.4 Mobility in soil: No further relevant information available.

Additional ecological information:
- General notes:
  At present there are no ecotoxicological assessments.
  This statement was deduced from products with a similar structure or composition.
  Due to the persistence and the low watersolubility of the product a bioavailability is not probable.
  Due to available data on elimination/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

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- 12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.
    - Recommended cleansing agents: Solvent naphtha

14 Transport information

- 14.1 UN-Number
  - DOT, ADR, IMDG, IATA UN1950

- 14.2 UN proper shipping name
  - DOT, IMDG, IATA AEROSOLS, NON-FLAMMABLE
  - ADR 1950 AEROSOLS

- 14.3 Transport hazard class(es)
  - DOT
    - Class 2.2
    - Label 2.2
  - ADR
    - Class 2 5A Gases.
    - Label 2.2

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- IMDG, IATA

- Class 2.2
- Label 2.2

- 14.4 Packing group
- DOT, ADR, IMDG, IATA N/A

- 14.5 Environmental hazards:
- Marine pollutant: No

- 14.6 Special precautions for user
- Danger code (Kemler): Warning: Gases.
- EMS Number: F-D,S-U

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

- Transport/Additional information:

- ADR
- Limited quantities (LQ) 120 ml
- Transport category 3
- Tunnel restriction code E

- UN "Model Regulation": UN1950, AEROSOLS, 2.2

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

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

- Section 313 (Specific toxic chemical listings):
  9016-87-9 polymethylene polyphenylene isocyanate
  101-68-8 4,4'-methylene diphenyl disocyanate

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

- Proposition 65 (California):
  - Chemicals known to cause cancer:
    None of the ingredients is listed.
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- **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)**
    9016-87-9 polymethylene polyphenylene isocyanate CBD
    101-68-8 4,4’-methylene diphenyl disocyanate CBD

  - **IARC (International Agency for Research on Cancer)**
    9016-87-9 polymethylene polyphenylene isocyanate 3
    101-68-8 4,4’-methylene diphenyl disocyanate 3

  - **TLV (Threshold Limit Value established by ACGIH)**
    None of the ingredients is listed.

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

  - **OSHA-Ca (Occupational Safety & Health Administration)**
    None of the ingredients is listed.

- **Canada**

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

  - **Canadian Ingredient Disclosure list (limit 0.1%)**
    101-68-8 4,4’-methylene diphenyl disocyanate

  - **Canadian Ingredient Disclosure list (limit 1%)**
    None of the ingredients is listed.

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

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<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>R11</td>
<td>Highly flammable.</td>
</tr>
<tr>
<td>R20</td>
<td>Harmful by inhalation.</td>
</tr>
<tr>
<td>R36/37/38</td>
<td>Irritating to eyes, respiratory system and skin.</td>
</tr>
<tr>
<td>R40</td>
<td>Limited evidence of a carcinogenic effect.</td>
</tr>
<tr>
<td>R42/43</td>
<td>May cause sensitisation by inhalation and skin contact.</td>
</tr>
<tr>
<td>R48/20</td>
<td>Harmful: danger of serious damage to health by prolonged exposure through inhalation.</td>
</tr>
<tr>
<td>R52/53</td>
<td>Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
</tbody>
</table>

**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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent