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

- 1.1 Product identifier
  - Trade name: Eco-Hanger Grip Adhesive Low VOC
    - Article number: 22-15

- 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:
    - Mon-Eco Industries, Inc.
    - 5 Joanna Ct.
    - East Brunswick, NJ 08816
    - Phone: 732-257-7942

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

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008
  - Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).
  - The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H361d, H412.
  - The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H361.

- Repr. 2 H361: Suspected of damaging fertility or the unborn child.

- Flame

- Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- Health hazard

- Repr. 2 H361d Suspected of damaging the unborn child. Route of exposure: Inhalation.

- STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

(Cont'd. on page 2)
Trade name: Eco-Hanger Grip Adhesive Low VOC

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Additional information:
There are no other hazards not otherwise classified that have been identified.
0 % of the mixture consists of component(s) of unknown toxicity.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:
toluene
methyl acetate
acetone

Hazard statements
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H361d, H412.
The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: H361.
H361: Suspected of damaging fertility or the unborn child.
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child. Route of exposure: Inhalation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist/vapours/spray.
P281 Use personal protective equipment as required.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Safety Data Sheet  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

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(Cont'd. from page 2)

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314  Get medical advice/attention if you feel unwell.
P370+P378  In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235  Store in a well-ventilated place. Keep cool.

· NFPA ratings (scale 0 - 4)
  - Health = 2
  - Fire = 3
  - Reactivity = 0

· HMIS-ratings (scale 0 - 4)
  - Health = *2
  - Fire = 3
  - Reactivity = 0
  * - Indicates a long term health hazard from repeated or prolonged exposures.

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

SECTION 3: Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>CAS:</th>
<th>EINECS:</th>
<th>Index number:</th>
<th>Description</th>
<th>_percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>203-625-9</td>
<td>601-021-00-3</td>
<td>Ioluene</td>
<td>10-25%</td>
</tr>
<tr>
<td>79-20-9</td>
<td>201-185-2</td>
<td>607-021-00-X</td>
<td>methyl acetate</td>
<td>10-25%</td>
</tr>
<tr>
<td>67-64-1</td>
<td>200-662-2</td>
<td>606-001-00-8</td>
<td>acetone</td>
<td>10-25%</td>
</tr>
<tr>
<td>71011-25-1</td>
<td>275-125-9</td>
<td>601-007-01-4</td>
<td>Alkyl Quaternary ammonium bentonite</td>
<td>2,5-10%</td>
</tr>
<tr>
<td>70-54-3</td>
<td>209-005-2</td>
<td>601-007-01-8</td>
<td>Hexanes</td>
<td>2,5-10%</td>
</tr>
</tbody>
</table>

(Cont'd. on page 4)
Trade name: Eco-Hanger Grip Adhesive Low VOC

(Cont'd. from page 3)

<table>
<thead>
<tr>
<th>CAS: 110-54-3</th>
<th>(n)-hexane</th>
<th>&lt; 2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 203-777-6</td>
<td>Flamm. Liq. 2, H225</td>
<td></td>
</tr>
<tr>
<td>Index number: 601-037-00-0</td>
<td>Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aquatic Chronic 2, H411</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; STOT SE 3, H336</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 110-82-7</th>
<th>cyclohexane</th>
<th>&lt; 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 203-806-2</td>
<td>Flamm. Liq. 2, H225</td>
<td></td>
</tr>
<tr>
<td>Index number: 601-017-00-1</td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; STOT SE 3, H336</td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
For the wording of the listed Hazard Statements refer to section 16.
For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

4.1 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.
Take affected persons out into the fresh air.

After inhalation:
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation is experienced, consult a doctor.
Launder contaminated clothing before re-use.

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

After swallowing:
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness
Coughing
Breathing difficulty
Irritant to skin and mucous membranes.
Irritant to eyes.
Gastric or intestinal disorders when ingested.

(Cont'd. on page 5)
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Trade name: Eco-Hanger Grip Adhesive Low VOC

(Cont'd. from page 4)

Nausea in case of ingestion.
Unconsciousness

· Hazards
Danger of impaired breathing.
Danger of disturbed cardiac rhythm.
Danger of convulsion.
Vapours may cause drowsiness and dizziness.
Causes damage to organs through prolonged or repeated exposure.

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

SECTION 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: Water with full jet

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

· 5.3 Advice for firefighters
· Protective equipment:
  Wear self-contained respiratory protective device.
  Wear fully protective suit.
· Additional information
  Eliminate all ignition sources if safe to do so.
  Cool endangered receptacles with water spray.

SECTION 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 ignition sources.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Protect from heat

· 6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

· 6.3 Methods and material for containment and cleaning up:
Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose contaminated material as waste according to section 13.
Send for recovery or disposal in suitable receptacles.

(Cont'd. on page 6)
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Use only in well ventilated areas.
Keep receptacles tightly sealed.
Rags / metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed, metal container rated for flammable waste.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
Flammable gas-air mixtures may form in empty receptacles.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>108-88-3 toluene</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL (USA)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

(Cont'd. on page 7)
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

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Trade name: Eco-Hanger Grip Adhesive Low VOC

<table>
<thead>
<tr>
<th>TLV (USA)</th>
<th>Long-term value: 75 mg/m³, 20 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 20 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 20 ppm</td>
</tr>
</tbody>
</table>

79-20-9 methyl acetate

<table>
<thead>
<tr>
<th>PEL (USA)</th>
<th>Long-term value: 610 mg/m³, 200 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL (USA)</td>
<td>Short-term value: 760 mg/m³, 250 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Short-term value: 757 mg/m³, 250 ppm</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Short-term value: 250 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Short-term value: 755 mg/m³, 250 ppm</td>
</tr>
</tbody>
</table>

67-64-1 acetone

<table>
<thead>
<tr>
<th>IOELV (EU)</th>
<th>Long-term value: 1210 mg/m³, 500 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 2400 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 590 mg/m³, 250 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: (1188) NIC-594 mg/m³, (500) NIC-250 ppm</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Short-term value: 500 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Short-term value: 750 ppm</td>
</tr>
</tbody>
</table>

110-54-3 Hexanes

<table>
<thead>
<tr>
<th>IOELV (EU)</th>
<th>Long-term value: 72 mg/m³, 20 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 1800 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 180 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 176 mg/m³, 50 ppm</td>
</tr>
<tr>
<td></td>
<td>Skin: BEI</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 20 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 176 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

110-54-3 n-hexane

<table>
<thead>
<tr>
<th>IOELV (EU)</th>
<th>Long-term value: 72 mg/m³, 20 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 1800 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 180 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 176 mg/m³, 50 ppm</td>
</tr>
<tr>
<td></td>
<td>Skin: BEI</td>
</tr>
</tbody>
</table>

(Cont’d. on page 8)
## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

**GHS**

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### Trade name: Eco-Hanger Grip Adhesive Low VOC

<table>
<thead>
<tr>
<th>Substance</th>
<th>Long-term value: 20 ppm</th>
<th>Long-term value: 176 mg/m³, 50 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL (Canada)</td>
<td></td>
<td>Skin</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 110-82-7 cyclohexane

<table>
<thead>
<tr>
<th>Substance</th>
<th>Long-term value: 700 mg/m³, 200 ppm</th>
<th>Long-term value: 1050 mg/m³, 300 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>IOELV (EU)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TLV (USA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL (Canada)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EV (Canada)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEILs** No further relevant information available.
- **PNECs** No further relevant information available.

### Ingredients with biological limit values:

#### 108-88-3 toluene

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 0.02 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>0.02 mg/L</td>
</tr>
<tr>
<td>Medium</td>
<td>blood</td>
</tr>
<tr>
<td>Time</td>
<td>prior to last shift of workweek</td>
</tr>
<tr>
<td>Parameter</td>
<td>Toluene</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 0.03 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>0.03 mg/L</td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift</td>
</tr>
<tr>
<td>Parameter</td>
<td>Toluene</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 0.3 mg/g creatinine</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>0.3 mg/g creatinine</td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift</td>
</tr>
<tr>
<td>Parameter</td>
<td>o-Cresol with hydrolysis (background)</td>
</tr>
</tbody>
</table>

#### 67-64-1 acetone

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 50 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>50 mg/L</td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift</td>
</tr>
<tr>
<td>Parameter</td>
<td>Acetone (nonspecific)</td>
</tr>
</tbody>
</table>

#### 110-54-3 Hexanes

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 0.4 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>0.4 mg/L</td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift at end of workweek</td>
</tr>
<tr>
<td>Parameter</td>
<td>2,5-Hexanedione without hydrolysis</td>
</tr>
</tbody>
</table>

#### 110-54-3 n-hexane

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit value: 0.4 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
<td>0.4 mg/L</td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift at end of workweek</td>
</tr>
<tr>
<td>Parameter</td>
<td>2,5-Hexanedione without hydrolysis</td>
</tr>
</tbody>
</table>

(Cont'd. on page 9)
8.2 Exposure controls
   - Personal protective equipment:
     - General protective and hygienic measures:
       The usual precautionary measures are to be adhered to when handling chemicals.
       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.
       Pregnant women should strictly avoid inhalation or skin contact.
       Avoid contact with the eyes and skin.
   - Respiratory protection:
     Suitable respiratory protective device recommended.
     Use suitable respiratory protective device when high concentrations are present.
     Use suitable respiratory protective device when aerosol or mist is formed.
     NIOSH or EN approved organic vapour respirator equipped with a dust/mist prefilter should be used.
   - Protection of hands:
     - Protective gloves
     - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
   - Eye protection:
     - Safety glasses

Body protection: Protective work clothing
Limitation and supervision of exposure into the environment
No further relevant information available.
Risk management measures See Section 7 for additional information.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
   - General Information
     - Appearance:
       Form: Pasty
       Colour: Grey
       Odour: Mild
       Odour threshold: Not determined.
     - pH-value: Not determined.
   - Change in condition
     Melting point/Melting range: Not determined.
     Boiling point/Boiling range: Boiling Point Range: 150 °F / 65 °C.
## Trade name: Eco-Hanger Grip Adhesive Low VOC

(Cont’d. from page 9)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash point:</strong></td>
<td>&lt; -18 °C (&lt; -0 °F)</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Auto/Self-ignition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
<td>Product is not self-igniting.</td>
</tr>
</tbody>
</table>
| **Danger of explosion:**                      | Product is not explosive. However, formation of explosive air/ 
                                            | vapour mixtures are possible.                   |
| **Explosion limits:**                         |                                                 |
| Lower:                                        | 1.2 Vol %                                       |
| Upper:                                        | 16.0 Vol %                                      |
| **Vapour pressure at 20 °C (68 °F):**         | 233 hPa (175 mm Hg)                             |
| **Density:**                                  | Not determined.                                 |
| **Relative density**                          | Not determined.                                 |
| **Vapour 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.                                 |
| **9.2 Other information**                    | No further relevant information available.      |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Keep away from heat and direct sunlight.
- **10.3 Possibility of hazardous reactions**
  - Flammable.
  - Reacts violently with oxidising agents.
  - Used empty containers may contain product gases which form explosive mixtures with air.
  - Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
  - Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid**
  - Keep ignition sources away - Do not smoke.
  - Store away from oxidising agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
  - Carbon monoxide and carbon dioxide

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GHS

Trade name: Eco-Hanger Grip Adhesive Low VOC

Hydrocarbons

(Cont’d. from page 10)

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route</th>
<th>LD50 (mg/kg)</th>
<th>LC50/4h (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3 toluene</td>
<td>Oral</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>12124</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalative</td>
<td>5320</td>
<td></td>
</tr>
<tr>
<td>110-82-7 cyclohexane</td>
<td>Oral</td>
<td>12705</td>
<td></td>
</tr>
</tbody>
</table>

- Primary irritant effect:
- Skin corrosion/irritation: Causes skin irritation.
- Serious eye damage/irritation: Causes serious eye irritation.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Additional toxicological information:
  - At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
- Acute effects (acute toxicity, irritation and corrosivity): Vapours have narcotic effect.
- Repeated dose toxicity: May cause neurotoxic effects.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Suspected of damaging the unborn child. Route of exposure: Inhalation.
- STOT-single exposure: May cause drowsiness or dizziness.
- STOT-repeated exposure: May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
- Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: The product contains materials that are harmful to the environment.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.

(Cont’d. on page 12)
Trade name: Eco-Hanger Grip Adhesive Low VOC

- Ecotoxical effects:
- Remark:
  Harmful to fish
  The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
  Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- Additional ecological information:
- General notes:
  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.
  Harmful to aquatic organisms
  Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term
damage of the environment can not be excluded.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
  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.
  The user of this material has the responsibility to dispose of unused material, residues and containers in
  compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and
  disposal for hazardous and nonhazardous wastes.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  DOT, ADR, IMDG, IATA
  UN1133
- 14.2 UN proper shipping name
  - DOT, IATA
  - ADR
  - IMDG
    Adhesives
    1133 ADHESIVES
    ADHESIVES

(Cont'd. from page 11)
### 14.3 Transport hazard class(es)

- **DOT**
  - Class: 3
  - Label: Flammable liquids.

- **ADR**
  - Class: 3 (F1)
  - Label: Flammable liquids.

- **IMDG, IATA**
  - Class: 3
  - Label: Flammable liquids.

### 14.4 Packing group
- **DOT, ADR, IMDG, IATA**
  - II

### 14.5 Environmental hazards:
- **Marine pollutant:** No

### 14.6 Special precautions for user
- **Warning:** Flammable liquids.
- **Danger code (Kemler):** 33
- **EMS Number:** F-E-S-D

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- **Not applicable.**

### Transport/Additional information:
- **ADR**
  - Transport category: 2
  - Tunnel restriction code: D/E

- **IATA**
  - Limited quantity by air: 1L

- **UN "Model Regulation":**
  - UN 1133 ADHESIVES, 3, II

(Cont'd. on page 14)
SECTION 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 are listed.
    - Section 313 (Specific toxic chemical listings):
      108-88-3 toluene
      110-54-3 Hexanes
      110-54-3 n-hexane
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - Proposition 65 (California):
    - Chemicals known to cause cancer:
      None of the ingredients are listed.
    - Chemicals known to cause reproductive toxicity for females:
      108-88-3 toluene
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients are listed.
    - Chemicals known to cause developmental toxicity:
      108-88-3 toluene
  - Carcinogenic Categories
    - EPA (Environmental Protection Agency)
      108-88-3 toluene II
      67-64-1 acetone I
      110-54-3 Hexanes II
      110-54-3 n-hexane II
      110-82-7 cyclohexane I
    - IARC (International Agency for Research on Cancer)
      108-88-3 toluene 3
      9003-55-8 styrene-butadiene latex 3
  - TLV (Threshold Limit Value established by ACGIH)
    108-88-3 toluene A4
    67-64-1 acetone A4
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients are listed.
Trade name: Eco-Hanger Grip Adhesive Low VOC

Canada

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

• Canadian Ingredient Disclosure list (limit 0.1%)
  None of the ingredients are listed.

• CanadianIngredient Disclosure list (limit 1%)
  108-88-3 toluene
  79-20-9 methyl acetate
  67-64-1 acetone
  110-54-3 Hexanes

Directive 2012/18/EU

• Named dangerous substances - ANNEX I
  None of the ingredients are listed.

• Other regulations, limitations and prohibitive regulations

• Substances of very high concern (SVHC) according to REACH, Article 57
  None of the ingredients are listed.

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

SECTION 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.

• Relevant phrases
  H225 Highly flammable liquid and vapour.
  H304 May be fatal if swallowed and enters airways.
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.
  H336 May cause drowsiness or dizziness.
  H361d Suspected of damaging the unborn child. Route of exposure: Inhalation.
  H361f Suspected of damaging fertility. Route of exposure: Inhalation.
  H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
  H400 Very toxic to aquatic life.
  H410 Very toxic to aquatic life with long lasting effects.
  H411 Toxic to aquatic life with long lasting effects.

• 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 Harmonised System of Classification and Labelling of Chemicals

(Cont’d. on page 16)
Safety Data Sheet  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS  

Printing date 04.11.2015  
Revision: 04.11.2015  

<table>
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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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Repr. 2: Reproductive toxicity, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3  

**Sources**  
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