

# Clear-Tite Contact Cement

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 9/2/2022 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Clear-Tite Contact Cement  
Synonyms : Polychloroprene Adhesive Blend/Compound

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Adhesives  
Restrictions on use : No additional information available

#### 1.3. Supplier

##### Supplier

RH Adhesives  
308 Old High Street  
Acton, MA, 01720  
USA  
T 1-978-897-8000  
[sales@rhadhesives.com](mailto:sales@rhadhesives.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-535-5053 INFOTRAC; 1-352-323-3500 INFOTRAC International

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|  |      |   |
|--|------|---|
| Flammable liquids Category 2   | H225 | Highly flammable liquid and vapor                                 |
| Skin corrosion/irritation Category 2                                   | H315 | Causes skin irritation  |
| Serious eye damage/eye irritation Category 2A                          | H319 | Causes serious eye irritation                                     |
| Skin sensitization, Category 1   | H317 | May cause an allergic skin reaction                               |
| Germ cell mutagenicity Category 2                                      | H341 | Suspected of causing genetic defects                              |
| Reproductive toxicity Category 2                                       | H361 | Suspected of damaging fertility or the unborn child               |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 | May cause drowsiness or dizziness                                 |
| Specific target organ toxicity (repeated exposure) Category 2          | H373 | May cause damage to organs through prolonged or repeated exposure |
| Hazardous to the aquatic environment – Acute Hazard Category 1         | H400 | Very toxic to aquatic life  |
| Hazardous to the aquatic environment – Chronic Hazard Category 1       | H410 | Very toxic to aquatic life with long lasting effects              |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H225 - Highly flammable liquid and vapor  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction

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|                                   |  |
|-----------------------------------|--|
| Precautionary statements (GHS US) | :<br>H319 - Causes serious eye irritation<br>H336 - May cause drowsiness or dizziness<br>H341 - Suspected of causing genetic defects<br>H361 - Suspected of damaging fertility or the unborn child<br>H373 - May cause damage to organs through prolonged or repeated exposure<br>H400 - Very toxic to aquatic life<br>H410 - Very toxic to aquatic life with long lasting effects<br>P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 - Keep container tightly closed.<br>P240 - Ground/Bond container and receiving equipment.<br>P241 - Use explosion-proof electrical, lighting, ventilating equipment.<br>P242 - Use only non-sparking tools.<br>P243 - Take precautionary measures against static discharge.<br>P260 - Do not breathe vapors, mist, spray.<br>P264 - Wash hands and forearms, and other exposed area thoroughly after handling.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P272 - Contaminated work clothing must not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear eye protection, protective clothing, protective gloves.<br>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P352 - Wash with plenty of water.<br>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P312 - Call a POISON CENTER if you feel unwell.<br>P321 - Specific treatment (see section 4 on this label).<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P370+P378 - In case of fire: Use dry chemical powder, alcohol resistant foam, carbon dioxide (CO2) to extinguish.<br>P391 - Collect spillage.<br>P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
|-----------------------------------|--|

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name                | Product identifier    | %              | GHS US classification   |
|---------------------|-----------------------|----------------|---|
| Heptane             | CAS-No.: 142-82-5     | ≥ 25 – < 40    | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410              |
| Acetone             | CAS-No.: 67-64-1      | ≥ 25 – < 40    | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336  |
| Toluene             | CAS-No.: 108-88-3     | ≥ 20 – < 25    | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| Component A         | CAS-No.: trade secret | ≥ 10 – < 15    | Muta. 2, H341   |
| Component B         | CAS-No.: trade secret | ≥ 5 – < 10     | Skin Sens. 1, H317  |
| Methyl ethyl ketone | CAS-No.: 78-93-3      | ≥ 2.5 – < 5    | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336  |
| Component E         | CAS-No.: trade secret | ≥ 0.1 – < 0.25 | Repr. 2, H361   |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a poison center/doctor/physician if you feel unwell. Never give anything by mouth to an unconscious person.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| First-aid measures after ingestion    | : Rinse mouth out with water. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.   |

### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. nausea, vomiting.   |
| Symptoms/effects after skin contact | : Causes skin irritation. Redness. Itching. Swelling. May cause an allergic skin reaction. Skin rash/inflammation. Absorbed through the skin. Repeated exposure may cause skin dryness or cracking. |
| Symptoms/effects after eye contact  | : Causes serious eye irritation. Redness. Lacrimation. Itching. Blurred vision.   |
| Symptoms/effects after ingestion    | : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Abdominal pain.   |

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Chronic symptoms : Suspected of damaging fertility. Suspected of damaging the unborn child. Suspected of causing genetic defects. May cause damage to organs through prolonged or repeated exposure. May cause kidney and liver disease, and disorders of the central nervous system.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry powder. Alcohol-resistant foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Heating will cause a rise in pressure with a risk of bursting. Burning produces stinking and toxic fumes. In case of fire and/or explosion do not breathe fumes.  
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Evacuate the danger area. Move containers from fire area if it can be done without personal risk. Fight fire with normal precautions from a reasonable distance. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Eliminate all ignition sources if safe to do so.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Wear fire/flammable resistant/retardant clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. No flames, no sparks. Eliminate all sources of ignition. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Avoid breathing vapors, mist. Do not get in eyes, on skin, or on clothing. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Avoid breathing (dust, vapor, mist, gas). Use non-sparking tools.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Remove ignition sources.

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- Methods for cleaning up : Caution : this product can cause the floor to be slippery. Move containers from spill area. Prevent entry to sewers and public waters. Do not absorb with saw-dust or any other combustible absorbent material. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Clean contaminated surfaces with an excess of water. Use non-sparking tools.
- Other information : Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

### 6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapor concentrations. Avoid breathing vapors, mist. Wear personal protective equipment. Avoid contact with skin and eyes. Eliminate all ignition sources if safe to do so. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Take precautionary measures against static discharge. Use explosion-proof equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Store in a dry place. Keep cool. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in accordance with local, regional, national or international regulation.
- Incompatible products : Strong acids. Strong bases. Oxidizing agent.
- Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.
- Storage area : Store in dry, cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Clear-Tite Contact Cement                  |  |
|--|--|
| No additional information available        |  |
| Acetone (67-64-1)                          |  |
| USA - ACGIH - Occupational Exposure Limits |  |
| Local name                                 | Acetone  |
| ACGIH OEL TWA [ppm]                        | 250 ppm  |
| ACGIH OEL STEL [ppm]                       | 500 ppm  |
| Remark (ACGIH)                             | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference                       | ACGIH 2021   |

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| <b>Acetone (67-64-1)</b>   |   |
|--|---|
| <b>USA - OSHA - Occupational Exposure Limits</b>                                     |   |
| Local name   | Acetone   |
| OSHA PEL (TWA) [1]   | 2400 mg/m <sup>3</sup>  |
| OSHA PEL (TWA) [2]   | 1000 ppm  |
| Regulatory reference (US-OSHA)   | OSHA Annotated Table Z-1  |
| <b>Component A (trade secret)</b>  |   |
| No additional information available  |   |
| <b>Component B (trade secret)</b>  |   |
| No additional information available  |   |
| <b>Component E (trade secret)</b>  |   |
| No additional information available  |   |
| <b>Toluene (108-88-3)</b>  |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b>                                    |   |
| Local name   | Toluene   |
| ACGIH OEL TWA [ppm]  | 20 ppm  |
| Remark (ACGIH)   | TLV® Basis: CNS, visual & hearing impair; female repro system eff; pregnancy loss. Notations: OTO; A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference   | ACGIH 2022  |
| <b>USA - OSHA - Occupational Exposure Limits</b>                                     |   |
| Local name   | Toluene   |
| OSHA PEL (TWA) [2]   | 200 ppm   |
| OSHA PEL C [ppm]   | 300 ppm   |
| Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift | 500 ppm 10 mins.  |
| Regulatory reference (US-OSHA)   | OSHA Annotated Table Z-2  |
| <b>Heptane (142-82-5)</b>  |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b>                                    |   |
| Local name   | Heptane, isomers (n-Heptane)  |
| ACGIH OEL TWA [ppm]  | 400 ppm   |
| ACGIH OEL STEL [ppm]   | 500 ppm   |
| Remark (ACGIH)   | TLV® Basis: CNS impair; URT irr   |
| Regulatory reference   | ACGIH 2021  |
| <b>USA - OSHA - Occupational Exposure Limits</b>                                     |   |
| Local name   | Heptane (n-Heptane)   |
| OSHA PEL (TWA) [1]   | 2000 mg/m <sup>3</sup>  |
| OSHA PEL (TWA) [2]   | 500 ppm   |
| Regulatory reference (US-OSHA)   | OSHA Annotated Table Z-1  |

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| <b>Methyl ethyl ketone (78-93-3)</b>              |   |
|---|---|
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Methyl ethyl ketone (MEK)                             |
| ACGIH OEL TWA [ppm]                               | 200 ppm   |
| ACGIH OEL STEL [ppm]                              | 300 ppm   |
| Remark (ACGIH)                                    | TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI |
| Regulatory reference                              | ACGIH 2022  |
| <b>USA - OSHA - Occupational Exposure Limits</b>  |   |
| Local name  | 2-Butanone (Methyl ethyl ketone)                      |
| OSHA PEL (TWA) [1]                                | 590 mg/m <sup>3</sup>                                 |
| OSHA PEL (TWA) [2]                                | 200 ppm   |
| Regulatory reference (US-OSHA)                    | OSHA Annotated Table Z-1                              |

### 8.2. Appropriate engineering controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Provide local exhaust or general room ventilation. Handle in accordance with good industrial hygiene and safety procedures. Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls  | : Avoid release to the environment. Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil.  |

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment should be chosen according to the NIOSH standards and in discussion with the supplier of the protective equipment.

|  |
|--|
| <b>Hand protection:</b>  |
| Chemical resistant gloves (according to NIOSH standard). Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Selection of protective gloves should be made based on the type of task performed |
| <b>Eye protection:</b>   |
| Chemical goggles or safety glasses   |
| <b>Skin and body protection:</b>   |
| Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided   |
| <b>Respiratory protection:</b>   |
| Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment. All respirators must conform to specifications for efficiency and performance indicated by OSHA Standard 29 CFR 1910.134 and NIOSH Standards                 |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                |                               |
|----------------|-------------------------------|
| Physical state | : Liquid                      |
| Color          | : Off-white                   |
| Odor           | : characteristic solvent-like |
| Odor threshold | : No data available           |
| pH             | : No data available           |

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|   |   |
|---|---|
| Melting point                                   | : No data available   |
| Freezing point                                  | : Not applicable  |
| Boiling point                                   | : > 35 °C (95.0 °F)   |
| Flash point                                     | : -8.33 °C (17 °F, ASTM D-56 9/21/2008)                             |
| Relative evaporation rate (butyl acetate=1)     | : No data available   |
| Flammability (solid, gas)                       | : Not applicable.   |
| Vapor pressure                                  | : No data available   |
| Relative vapor density at 20 °C                 | : > 1 (heavier than air)  |
| Relative density                                | : 0.87 (water=1)  |
| Solubility                                      | : insoluble in water.   |
| Partition coefficient n-octanol/water (Log Pow) | : No data available   |
| Auto-ignition temperature                       | : Not applicable  |
| Decomposition temperature                       | : No data available   |
| Viscosity, kinematic                            | : No data available   |
| Viscosity, dynamic                              | : No data available   |
| Explosion limits                                | : Lower explosion limit: 1 vol %<br>Upper explosion limit: 12 vol % |
| Explosive properties                            | : No data available   |
| Oxidizing properties                            | : No data available   |

### 9.2. Other information

VOC content : 53 % (3.5 lbs/gal or 420 g/l)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapor. Can form explosive mixtures with air. Heating may cause a fire or explosion.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization: Will not occur. Reacts vigorously with strong oxidizers and acids.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Protect from sunlight. Overheating. Extremely high or low temperatures. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |



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| <b>Acetone (67-64-1)</b> |                         |
|--------------------------|-------------------------|
| LD50 oral rat            | 5800 mg/kg              |
| LD50 dermal rabbit       | 15688 mg/kg             |
| LC50 Inhalation - Rat    | 44 g/m <sup>3</sup>     |
| ATE US (oral)            | 5800 mg/kg body weight  |
| ATE US (dermal)          | 15688 mg/kg body weight |
| ATE US (vapors)          | 44 mg/l/4h              |
| ATE US (dust, mist)      | 44 mg/l/4h              |

| <b>Component A (trade secret)</b> |               |
|-----------------------------------|---------------|
| LD50 oral rat                     | > 40000 mg/kg |

| <b>Component E (trade secret)</b> |               |
|-----------------------------------|---------------|
| LD50 oral rat                     | > 10000 mg/kg |
| LD50 dermal rabbit                | > 10000 mg/kg |

| <b>Toluene (108-88-3)</b> |                         |
|---------------------------|-------------------------|
| LD50 oral rat             | 5580 mg/kg              |
| LD50 dermal rabbit        | 8390 mg/kg              |
| LC50 Inhalation - Rat     | 25.7 mg/l/4h            |
| ATE US (oral)             | 2600 mg/kg body weight  |
| ATE US (dermal)           | 12000 mg/kg body weight |
| ATE US (vapors)           | 25.7 mg/l/4h            |
| ATE US (dust, mist)       | 25.7 mg/l/4h            |

| <b>Heptane (142-82-5)</b> |                            |
|---------------------------|----------------------------|
| LD50 oral rat             | > 5000 mg/kg               |
| LD50 dermal rabbit        | 3000 mg/kg                 |
| LC50 Inhalation - Rat     | 103 g/m <sup>3</sup> (4 h) |

| <b>Methyl ethyl ketone (78-93-3)</b> |                               |
|--------------------------------------|-------------------------------|
| LD50 oral rat                        | 2054 mg/kg                    |
| LD50 dermal rat                      | > 10 ml/kg                    |
| LC50 Inhalation - Rat                | 23500 mg/m <sup>3</sup> (8 h) |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Causes skin irritation.               |
| Serious eye damage/irritation     | : Causes serious eye irritation.        |
| Respiratory or skin sensitization | : May cause an allergic skin reaction.  |
| Germ cell mutagenicity            | : Suspected of causing genetic defects. |
| Carcinogenicity                   | : Not classified                        |

| <b>Toluene (108-88-3)</b> |                      |
|---------------------------|----------------------|
| IARC group                | 3 - Not classifiable |

|                       |  |
|-----------------------|--|
| Reproductive toxicity | : Suspected of damaging fertility or the unborn child. |
| STOT-single exposure  | : May cause drowsiness or dizziness.                   |

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| <b>Heptane (142-82-5)</b>            |  |
|--------------------------------------|--|
| STOT-single exposure                 | May cause drowsiness or dizziness.   |
| <b>Methyl ethyl ketone (78-93-3)</b> |  |
| STOT-single exposure                 | May cause drowsiness or dizziness.   |
| STOT-repeated exposure               | : May cause damage to organs through prolonged or repeated exposure.   |
| Aspiration hazard                    | : Not classified   |
| Viscosity, kinematic                 | : No data available  |
| Symptoms/effects after inhalation    | : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. nausea, vomiting.  |
| Symptoms/effects after skin contact  | : Causes skin irritation. Redness. Itching. Swelling. May cause an allergic skin reaction. Skin rash/inflammation. Absorbed through the skin. Repeated exposure may cause skin dryness or cracking.  |
| Symptoms/effects after eye contact   | : Causes serious eye irritation. Redness. Lacrimation. Itching. Blurred vision.  |
| Symptoms/effects after ingestion     | : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Abdominal pain.  |
| Chronic symptoms                     | : Suspected of damaging fertility. Suspected of damaging the unborn child. Suspected of causing genetic defects. May cause damage to organs through prolonged or repeated exposure. May cause kidney and liver disease, and disorders of the central nervous system. |
| Other information                    | : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

| <b>Acetone (67-64-1)</b> |  |
|--------------------------|--|
| LC50 - Fish [1]          | 4144.846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)             |
| EC50 - Crustacea [1]     | 1679.66 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])           |
| LC50 - Fish [2]          | 6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 - Crustacea [2]     | 12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)              |

| <b>Toluene (108-88-3)</b> |  |
|---------------------------|--|
| LC50 - Fish [1]           | 15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 - Crustacea [1]      | 5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])               |
| LC50 - Fish [2]           | 12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])                |
| EC50 - Crustacea [2]      | 11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)                               |
| NOEC chronic crustacea    | 0.74 mg/l (Ceriodaphnia dubia)   |

| <b>Heptane (142-82-5)</b> |  |
|---------------------------|--|
| LC50 - Fish [1]           | 375 mg/l (Exposure time: 96 h - Species: Cichlid fish) |

| <b>Methyl ethyl ketone (78-93-3)</b> |   |
|--------------------------------------|---|
| LC50 - Fish [1]                      | 3130 – 3320 mg/l (Exposure time: 96 h; Species: Pimephales promelas [flow-through]) |
| EC50 - Crustacea [1]                 | 520 mg/l (Exposure time: 48 h - Species: Daphnia magna)                             |
| EC50 - Crustacea [2]                 | 5091 (Exposure time: 48 h - Species: Daphnia magna)                                 |

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### 12.2. Persistence and degradability

#### Clear-Tite Contact Cement

Persistence and degradability                      Biodegradability in water: no data available.

#### Acetone (67-64-1)

Persistence and degradability                      Readily biodegradable.

### 12.3. Bioaccumulative potential

#### Clear-Tite Contact Cement

Bioaccumulative potential                          No data available concerning bioaccumulation.

#### Acetone (67-64-1)

BCF - Fish [1]    0.69

Partition coefficient n-octanol/water (Log Pow)                      -0.24

#### Toluene (108-88-3)

Partition coefficient n-octanol/water (Log Pow)                      2.65

#### Heptane (142-82-5)

Partition coefficient n-octanol/water (Log Pow)                      4.66

#### Methyl ethyl ketone (78-93-3)

Partition coefficient n-octanol/water (Log Pow)                      0.29

### 12.4. Mobility in soil

#### Clear-Tite Contact Cement

Ecology - soil    Adsorbs into the soil.

### 12.5. Other adverse effects

Other adverse effects                                      : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods                              : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations                      : Dispose in a safe manner in accordance with local/national regulations. Do not pierce or burn, even after use.  
Additional information                                      : Flammable vapors may accumulate in the container.  
Ecology - waste materials                                : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No    : UN1133  
UN-No. (TDG)    : UN1133  
UN-No. (IMDG)     : 1133

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UN-No. (IATA) : 1133

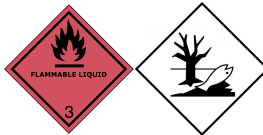
### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Adhesives  
Proper Shipping Name (TDG) : ADHESIVES  
Proper Shipping Name (IMDG) : ADHESIVES  
Proper Shipping Name (IATA) : Adhesives

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : 3  
Hazard labels (DOT) : 3



#### TDG

Transport hazard class(es) (TDG) : 3  
Hazard labels (TDG) : 3



#### IMDG

Transport hazard class(es) (IMDG) : 3  
Hazard labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3  
Hazard labels (IATA) : 3



### 14.4. Packing group

Packing group (DOT) : II  
Packing group (TDG) : II  
Packing group (IMDG) : II  
Packing group (IATA) : II

### 14.5. Environmental hazards

Dangerous for the environment : Yes

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Marine pollutant : Yes



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

UN-No.(DOT) : UN1133  
DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).  
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 173  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

#### TDG

UN-No. (TDG) : UN1133  
Explosive Limit and Limited Quantity Index : 5 L  
Excepted quantities (TDG) : E2  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L  
Emergency Response Guide (ERG) Number : 128

#### IMDG

Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
Packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP8  
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS  
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS  
Stowage category (IMDG) : B

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Properties and observations (IMDG) : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

### IATA

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y341  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 353  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
Special provision (IATA) : A3  
ERG code (IATA) : 3L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

|             |                      |                 |
|-------------|----------------------|-----------------|
| Component A | CAS-No. trade secret | ≥ 10 – < 15%    |
| Component B | CAS-No. trade secret | ≥ 5 – < 10%     |
| Component E | CAS-No. trade secret | ≥ 0.1 – < 0.25% |

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|         |                  |              |
|---------|------------------|--------------|
| Toluene | CAS-No. 108-88-3 | ≥ 20 – < 25% |
|---------|------------------|--------------|

#### Acetone (67-64-1)

|           |         |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

#### Toluene (108-88-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

|           |         |
|-----------|---------|
| CERCLA RQ | 1000 lb |
|-----------|---------|

#### Methyl ethyl ketone (78-93-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

|           |         |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

### 15.2. International regulations

#### CANADA

##### Acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

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### Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

### Heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

### Methyl ethyl ketone (78-93-3)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### Acetone (67-64-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Toluene (108-88-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Heptane (142-82-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Methyl ethyl ketone (78-93-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations



#### WARNING:

This product can expose you to Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

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Data sources : Supplier's safety documents.  
Training advice : Training staff on good practice.  
Other information : SDS prepared by. H2 Compliance.

### Full text of H-phrases

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapor            |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation                       |
| H317 | May cause an allergic skin reaction          |
| H319 | Causes serious eye irritation                |
| H320 | Causes eye irritation                        |
| H336 | May cause drowsiness or dizziness            |

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| Full text of H-phrases |   |
|------------------------|---|
| H341                   | Suspected of causing genetic defects                              |
| H361                   | Suspected of damaging fertility or the unborn child               |
| H373                   | May cause damage to organs through prolonged or repeated exposure |
| H400                   | Very toxic to aquatic life  |
| H401                   | Toxic to aquatic life   |
| H410                   | Very toxic to aquatic life with long lasting effects              |
| H412                   | Harmful to aquatic life with long lasting effects                 |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.