

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : HT 625 Contact Adhesive

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

Recommended use : Adhesive for processing all flexible ArmaFlex insulation materials (Except ArmaFlex Ultima)

#### 1.3. Supplier

##### Manufacturer

Armacell LLC  
 55 Vilcom Center Drive  
 Suite 200, Chapel Hill, NC, 27514  
 T +1 800 866 5638  
[Kartik.a.patel@armacell.com](mailto:Kartik.a.patel@armacell.com)

##### Distributor

Armacell Canada  
 153 Van Kirk Drive  
 Brampton, Ontario  
 Canada L7A 1A4  
 (905) 846-3666

#### 1.4. Emergency telephone number

Emergency number : +1 919 304 3846

### SECTION 2: Hazard identification

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

##### Classification (GHS CA)

|               |      |  |
|---------------|------|--|
| Flam. Liq. 2  | H225 | Highly flammable liquid and vapour.  |
| Eye Irrit. 2A | H319 | Causes serious eye irritation.   |
| Resp. Sens. 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Sens. 1  | H317 | May cause an allergic skin reaction.                                       |
| Repr. 2       | H361 | Suspected of damaging fertility or the unborn child.                       |
| STOT SE 3     | H336 | May cause drowsiness or dizziness.   |

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

##### GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS-CA) : H225 - Highly flammable liquid and vapour.  
 H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H336 - May cause drowsiness or dizziness.  
 H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS-CA) : P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take action to prevent static discharges.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face 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.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P284 - In case of inadequate ventilation wear respiratory protection.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.  
P312 - Call a POISON CENTER or doctor if you feel unwell.  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up.  
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

No additional information available

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

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name          | Chemical name / Synonyms                                   | Product identifier | %       |
|---------------|--|--------------------|---------|
| Ethyl acetate | Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE | CAS-No.: 141-78-6  | 30 – 60 |

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| Name                                    | Chemical name / Synonyms  | Product identifier  | %       |
|---|---|---------------------|---------|
| Naphtha (petroleum), hydrotreated light | Naphtha (petroleum), hydrotreated light / Exxsol heptane / Naphtha (petroleum), hydrotreated light - low boiling point hydrogen treated naphtha / Naphtha, petroleum, hydrotreated light (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4-11 and boiling in the range of approximately minus 20-190°C.) / Ligroine (petroleum), hydrotreated light / Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics / Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction With hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).] | CAS-No.: 64742-49-0 | 15 – 40 |
| Methyl ethyl ketone                     | Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone / methyl ethyl ketone  | CAS-No.: 78-93-3    | 10 – 30 |
| Rosin                                   | Gum rosin / Rosin (A complex combination derived from wood, especially pine wood. Composed primarily of resin acids and modified resin acids such as dimers and decarboxylated resin acids. Includes rosin stabilized by catalytic disproportionation.) / Colophony / Colophonium / Rosin, gum / COLOPHONIUM / Gum resin / Rosin (pinus species) and rosin derivatives / ROSIN / Resin acids / rosin  | CAS-No.: 8050-09-7  | 0.1 – 1 |
| Zinc oxide (ZnO)                        | Zinc oxide / C.I. 77947 / C.I. Pigment White 4 / Zinc White / CI 77947 / Pigment White 4  | CAS-No.: 1314-13-2  | 0.1 – 1 |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: 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.

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First-aid measures after ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of damaging fertility or the unborn child.

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

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use water jet.

### 5.3. Specific hazards arising from the hazardous product

Fire hazard : Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. Hydrogen chloride.

Explosion hazard : May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

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

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

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

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

### 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Remove all sources of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not keep the container sealed. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

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### 6.3. Reference to other sections

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     | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Handle and open container with care. |
| Hygiene measures                  | : Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.   |
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable.  |

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

|                        |  |
|------------------------|--|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed.  |
| Storage conditions     | : Keep out of the reach of children. Store locked up. Keep in fireproof place. Keep away from heat and direct sunlight. Keep away from clothing and other combustible materials. Keep away from food, drink and animal feedingstuffs. Keep away from oxidizing agents. Store always product in container of same material as original container. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store tightly closed in a dry, cool and well-ventilated place. |
| Maximum storage period | : 18 months  |
| Storage temperature    | : 15 – 30 °C   |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Ethyl acetate (141-78-6)                          |   |
|---|---|
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Ethyl acetate   |
| ACGIH OEL TWA [ppm]                               | 400 ppm   |
| Remark (ACGIH)                                    | TLV® Basis: URT & eye irr   |
| Regulatory reference                              | ACGIH 2020  |
| Methyl ethyl ketone (78-93-3)                     |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| ACGIH OEL TWA [ppm]                               | 200 ppm   |
| ACGIH OEL STEL [ppm]                              | 300 ppm   |
| <b>USA - ACGIH - Biological Exposure Indices</b>  |   |
| BEI   | 2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific) |
| Zinc oxide (ZnO) (1314-13-2)                      |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Zinc oxide  |
| ACGIH OEL TWA                                     | 2 mg/m <sup>3</sup> (respirable particulate matter)                               |

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| Zinc oxide (ZnO) (1314-13-2) |  |
|------------------------------|--|
| ACGIH OEL STEL               | 10 mg/m <sup>3</sup> (respirable particulate matter) |
| Remark (ACGIH)               | TLV® Basis: Metal fume fever                         |
| Regulatory reference         | ACGIH 2021   |

  

| Rosin (8050-09-7)                          |  |
|--|--|
| USA - ACGIH - Occupational Exposure Limits |  |
| ACGIH OEL TWA                              | 0.001 mg/m <sup>3</sup> (inhalable particulate matter) |
| ACGIH chemical category                    | dermal sensitizer                                      |

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
- Environmental exposure controls : Avoid release to the environment.

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

|  |
|--|
| <b>Hand protection:</b>  |
| Wear suitable gloves resistant to chemical penetration. Nitrile rubber gloves  |
| <b>Eye protection:</b>   |
| Wear eye/face protection   |
| <b>Skin and body protection:</b>   |
| Wear suitable protective clothing. Flame retardant and anti-static material recommended.   |
| <b>Respiratory protection:</b>   |
| In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

|  |  |
|--|--|
| Physical state                             | : Liquid   |
| Appearance                                 | : Clear liquid.  |
| Colour                                     | : Colourless   |
| Odour                                      | : Solvents   |
| Odour threshold                            | : No data available  |
| pH   | : No data available  |
| Relative evaporation rate (butylacetate=1) | : No data available  |
| Relative evaporation rate (ether=1)        | : No data available  |
| Melting point                              | : No data available  |
| Freezing point                             | : No data available  |
| Boiling point                              | : 56 °C Reference substance: Naphtha (petroleum), hydrotreated light (64742-49-0)  |
| Flash point                                | : -26 °C Reference substance: Naphtha (petroleum), hydrotreated light (64742-49-0) |

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|                                       |   |
|---------------------------------------|---|
| Auto-ignition temperature             | : No data available   |
| Decomposition temperature             | : No data available   |
| Flammability (solid, gas)             | : Highly flammable liquid and vapour.   |
| Vapour pressure                       | : 21 kPa (20 °C) Reference substance: Naphtha (petroleum), hydrotreated light (64742-49-0)  |
| Relative vapour density at 20 °C      | : No data available   |
| Relative density                      | : No data available   |
| Density                               | : 0.84 g/cm <sup>3</sup> (20 °C)  |
| Solubility                            | : Immiscible with water.  |
| Partition coefficient n-octanol/water | : No data available   |
| Viscosity, kinematic                  | : 535.714 mm <sup>2</sup> /s  |
| Viscosity, dynamic                    | : 450 mPa·s (20 °C)   |
| Explosive limits                      | : Lower explosive limit (LEL): 1 vol % Reference substance: Naphtha (petroleum), hydrotreated light (64742-49-0)<br>Upper explosive limit (UEL): 12.8 vol % Reference substance: Ethyl acetate (141-78-6) |

### 9.2. Other information

|                 |          |
|-----------------|----------|
| Solvent content | : ≈ 82 % |
| Solids content  | : ≈ 18 % |

## SECTION 10: Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No dangerous reactions known under normal conditions of use.                        |
| Chemical stability                 | : Stable under normal conditions. May form flammable/explosive vapour-air mixture.    |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.                        |
| Conditions to avoid                | : Heat. Incompatible materials. Sources of ignition. Direct sunlight.                 |
| Incompatible materials             | : Strong oxidizing agents.  |
| Hazardous decomposition products   | : May include, and are not limited to: oxides of carbon. May release flammable gases. |
| Hardening time:                    | : No additional information available   |

## 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. |

| Ethyl acetate (141-78-6)                                |   |
|---|---|
| LD50 oral rat   | 5620 mg/kg  |
| LD50 oral   | 4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit                                      | > 18000 mg/kg   |
| LC50 inhalation rat                                     | 4000 ppm/4h   |
| ATE CA (oral)   | 4934 mg/kg bodyweight   |
| ATE CA (Gases (except aerosol dispensers and lighters)) | 4000 ppmv/4h  |

  

| Naphtha (petroleum), hydrotreated light (64742-49-0) |  |
|--|--|
| LD50 oral rat  | > 5000 mg/kg   |
| LD50 dermal rabbit                                   | > 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 9,63 - 20,77 |
| LC50 inhalation rat                                  | 73680 ppm/4h   |

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| <b>Naphtha (petroleum), hydrotreated light (64742-49-0)</b> |   |
|---|---|
| ATE CA (Gases (except aerosol dispensers and lighters))     | 73680 ppmv/4h   |
| <b>Methyl ethyl ketone (78-93-3)</b>                        |   |
| LD50 oral rat   | 2483 mg/kg  |
| LD50 dermal rabbit  | 5000 mg/kg  |
| LC50 inhalation rat   | 11700 ppm/4h  |
| LC50 Inhalation - Rat (Vapours)                             | 34.5 mg/l/4h  |
| ATE CA (oral)   | 2483 mg/kg bodyweight   |
| ATE CA (Dermal)   | 5000 mg/kg bodyweight   |
| ATE CA (Gases (except aerosol dispensers and lighters))     | 11700 ppmv/4h   |
| ATE CA (vapours)  | 34.5 mg/l/4h  |
| <b>Zinc oxide (ZnO) (1314-13-2)</b>                         |   |
| LD50 oral rat   | > 5000 mg/kg  |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                        |
| <b>Rosin (8050-09-7)</b>                                    |   |
| LD50 oral rat   | 7600 mg/kg  |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                        |
| LD50 dermal rabbit  | > 2500 mg/kg  |
| LC50 inhalation rat   | 1.5 mg/l/4h   |
| ATE CA (oral)   | 7600 mg/kg bodyweight   |
| ATE CA (Gases (except aerosol dispensers and lighters))     | 4500 ppmv/4h  |
| ATE CA (vapours)  | 1.5 mg/l/4h   |
| ATE CA (dust,mist)  | 1.5 mg/l/4h   |
| Skin corrosion/irritation                                   | : Not classified.   |
| Serious eye damage/irritation                               | : Causes serious eye irritation.  |
| Respiratory or skin sensitization                           | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| Germ cell mutagenicity                                      | : Not classified.   |
| Carcinogenicity   | : Not classified.   |
| Reproductive toxicity                                       | : Suspected of damaging fertility or the unborn child.  |
| STOT-single exposure  | : May cause drowsiness or dizziness.  |
| <b>Ethyl acetate (141-78-6)</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                                      | : Not classified.   |



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| Ethyl acetate (141-78-6)                             |   |
|--|---|
| LOAEL (oral, rat, 90 days)                           | 3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)                    |
| NOAEL (oral, rat, 90 days)                           | 900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)                     |
| Naphtha (petroleum), hydrotreated light (64742-49-0) |   |
| LOAEC (inhalation, rat, vapour, 90 days)             | 4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)               |
| NOAEC (inhalation, rat, vapour, 90 days)             | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)              |
| Zinc oxide (ZnO) (1314-13-2)                         |   |
| LOAEL (dermal, rat/rabbit, 90 days)                  | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)   |
| NOAEL (oral, rat, 90 days)                           | 31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified.

| Armaflex HT625       |                            |
|----------------------|----------------------------|
| Viscosity, kinematic | 535.714 mm <sup>2</sup> /s |

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of damaging fertility or the unborn child.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

| Ethyl acetate (141-78-6)              |  |
|---------------------------------------|--|
| LC50 - Fish [1]                       | 220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 - Fish [2]                       | 484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])       |
| EC50 - Crustacea [1]                  | 560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                   |
| NOEC (chronic)                        | 2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                  |
| BCF - Fish [1]                        | 30   |
| Partition coefficient n-octanol/water | 0.6  |

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| <b>Naphtha (petroleum), hydrotreated light (64742-49-0)</b> |   |
|---|---|
| LC50 - Fish [1]   | 8.41 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1]  | 4.7 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 12.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]  | 18.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <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 mg/l (Exposure time: 48 h - Species: Daphnia magna)  |
| EC50 72h - Algae [1]  | 1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]  | 2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC chronic algae  | 93 mg/l   |
| Partition coefficient n-octanol/water                       | 0.3   |
| <b>Zinc oxide (ZnO) (1314-13-2)</b>                         |   |
| LC50 - Fish [1]   | 1.55 mg/l (Exposure time: 96 h - Species: Danio rerio [static])   |
| <b>Rosin (8050-09-7)</b>                                    |   |
| LC50 - Fish [1]   | 5.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]  | 3.8 – 5.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)   |
| EC50 72h - Algae [1]  | 400 mg/l (Species: Desmodesmus subspicatus)   |
| <b>12.2. Persistence and degradability</b>                  |   |
| <b>Armaflex HT625</b>                                       |   |
| Persistence and degradability                               | Not established.  |
| <b>12.3. Bioaccumulative potential</b>                      |   |
| <b>Armaflex HT625</b>                                       |   |
| Bioaccumulative potential                                   | Not established.  |
| <b>Ethyl acetate (141-78-6)</b>                             |   |
| BCF - Fish [1]  | 30  |
| Partition coefficient n-octanol/water                       | 0.6   |
| <b>Methyl ethyl ketone (78-93-3)</b>                        |   |
| Partition coefficient n-octanol/water                       | 0.3   |

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### 12.4. Mobility in soil

#### Ethyl acetate (141-78-6)

Partition coefficient n-octanol/water : 0.6

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

Partition coefficient n-octanol/water : 0.3

### 12.5. Other adverse effects

Ozone : Not classified.  
Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.  
Additional information : Handle empty containers with care because residual vapours are flammable.

## SECTION 14: Transport information

In accordance with TDG

### 14.1. UN number

UN-No. (TDG) : UN1133

### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : ADHESIVES

### 14.3. Transport hazard class(es)

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



### 14.4. Packing group

Packing group (TDG) : II

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

**TDG**  
UN-No. (TDG) : UN1133  
Explosive Limit and Limited Quantity Index : 5 L

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## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Excepted quantities (TDG) : E2  
Passenger Carrying Road Vehicle or Passenger : 5 L  
Carrying Railway Vehicle Index  
Emergency Response Guide (ERG) Number : 128

### 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. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. International regulations

No additional information available

## SECTION 16: Other information

Issue date : 06/25/2021  
Revision date : 06/25/2021  
  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
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