

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

**SECTION 1. IDENTIFICATION**

Product name : EUROCLEAR, Urethane clearcoat, 3.7 L

Product code : 5866.200107

Other means of identification : No data available

**Manufacturer or supplier's details**

Company name of supplier : Würth Canada Limited

Address : 345 Hanlon Creek Blvd  
GUELPH, ON N1C 0A1

Telephone : +1 (905) 564 6225

Telefax : +1 (905) 564 3671

Emergency telephone : Emergencies involving a spill, fire, explosion or exposure:  
CHEMTREC (24/7): 1-800-424-9300  
Transport related emergencies:  
CANUTEC (24/7): 1-613-996-6666 or \* 666 (cell)

Urgences impliquant un déversement, incendie, explosion ou exposition:  
CHEMTREC (24/7): 1-800-424-9300  
Urgences liées au transport:  
CANUTEC (24/7): 1-613-996-6666 ou \* 666 (cellulaire)

E-mail address : prodsafe@wurth.ca

**Recommended use of the chemical and restrictions on use**

Recommended use : Clear coating

Restrictions on use : Not applicable

---

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Flammable liquids : Category 2

Eye irritation : Category 2A

Skin sensitization : Sub-category 1A

Specific target organ toxicity : Category 3  
- single exposure

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

**GHS label elements**

Hazard pictograms

:



Signal Word

:

Danger

Hazard Statements

:

H225 Highly flammable liquid and vapor.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary Statements

:

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist or vapors.  
P264 Wash skin 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 and face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P337 + P313 If eye irritation persists: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents and container to an approved waste disposal plant.

**Other hazards**

Vapors may form explosive mixture with air.  
Repeated exposure may cause skin dryness or cracking.

---

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**EUROCLEAR, Urethane clearcoat, 3.7 L**

Version 1.3      Revision Date: 06/09/2022      SDS Number: 4961746-00004      Date of last issue: 09/22/2021  
 Date of first issue: 09/30/2019

Substance / Mixture : Mixture  
 Chemical nature : Paint related material

**Components**

| Chemical name                                      | Common Name/Synonym                                                  | CAS-No.    | Concentration (% w/w) |
|----------------------------------------------------|----------------------------------------------------------------------|------------|-----------------------|
| n-Butyl acetate                                    | Acetic acid, butyl ester                                             | 123-86-4   | $\geq 30 - < 60$ *    |
| Acetone                                            | 2-Propanone                                                          | 67-64-1    | $\geq 10 - < 30$ *    |
| 4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene | Benzene, 1-chloro-4-(trifluoromethyl)-                               | 98-56-6    | $\geq 10 - < 30$ *    |
| 2-Methoxy-1-methylethyl acetate                    | 2-Propanol, 1-methoxy-, 2-acetate                                    | 108-65-6   | $\geq 5 - < 10$ *     |
| Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate  | Decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester | 41556-26-7 | $\geq 0.1 - < 1$ *    |

\* Actual concentration or concentration range is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.  
 Get medical attention if symptoms occur.

In case of skin contact : In case of contact, immediately flush skin with plenty of water.  
 Remove contaminated clothing and shoes.  
 Get medical attention.  
 Wash clothing before reuse.  
 Thoroughly clean shoes before reuse.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
 If easy to do, remove contact lens, if worn.  
 Get medical attention.

If swallowed : If swallowed, DO NOT induce vomiting.  
 If vomiting occurs have person lean forward.  
 Call a physician or poison control center immediately.  
 Rinse mouth thoroughly with water.  
 Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

Prolonged or repeated contact may dry skin and cause irritation.

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician : Treat symptomatically and supportively.

---

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.  
Flash back possible over considerable distance.  
Vapors may form explosive mixtures with air.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides  
Chlorine compounds  
Fluorine compounds

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

---

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Ventilate the area.  
Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g., by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapors/mists with a water spray jet.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

---

**SECTION 7. HANDLING AND STORAGE**

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.  
Use explosion-proof electrical, ventilating and lighting equipment.

Advice on safe handling : Do not get on skin or clothing.  
Avoid breathing mist or vapors.  
Do not swallow.  
Do not get in eyes.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Non-sparking tools should be used.  
Keep container tightly closed.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents  
Self-reactive substances and mixtures

**EUROCLEAR, Urethane clearcoat, 3.7 L**

Version 1.3      Revision Date: 06/09/2022      SDS Number: 4961746-00004      Date of last issue: 09/22/2021  
 Date of first issue: 09/30/2019

Organic peroxides  
 Flammable solids  
 Pyrophoric liquids  
 Pyrophoric solids  
 Self-heating substances and mixtures  
 Substances and mixtures which in contact with water emit flammable gases  
 Explosives  
 Gases  
 Very acutely toxic substances and mixtures

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

| Components                      | CAS-No.  | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|---------------------------------|----------|----------------------------------|------------------------------------------------|-----------|
| n-Butyl acetate                 | 123-86-4 | STEL                             | 200 ppm<br>950 mg/m <sup>3</sup>               | CA AB OEL |
|                                 |          | TWA                              | 150 ppm<br>713 mg/m <sup>3</sup>               | CA AB OEL |
|                                 |          | TWAEV                            | 50 ppm                                         | CA QC OEL |
|                                 |          | STEV                             | 150 ppm                                        | CA QC OEL |
|                                 |          | TWA                              | 50 ppm                                         | CA BC OEL |
|                                 |          | STEL                             | 150 ppm                                        | CA BC OEL |
|                                 |          | TWA                              | 50 ppm                                         | ACGIH     |
|                                 |          | STEL                             | 150 ppm                                        | ACGIH     |
| Acetone                         | 67-64-1  | TWA                              | 500 ppm<br>1,200 mg/m <sup>3</sup>             | CA AB OEL |
|                                 |          | STEL                             | 750 ppm<br>1,800 mg/m <sup>3</sup>             | CA AB OEL |
|                                 |          | TWA                              | 250 ppm                                        | CA BC OEL |
|                                 |          | STEL                             | 500 ppm                                        | CA BC OEL |
|                                 |          | TWAEV                            | 500 ppm<br>1,190 mg/m <sup>3</sup>             | CA QC OEL |
|                                 |          | STEV                             | 1,000 ppm<br>2,380 mg/m <sup>3</sup>           | CA QC OEL |
|                                 |          | TWA                              | 250 ppm                                        | ACGIH     |
|                                 |          | STEL                             | 500 ppm                                        | ACGIH     |
| 2-Methoxy-1-methylethyl acetate | 108-65-6 | TWA                              | 50 ppm                                         | CA BC OEL |
|                                 |          | STEL                             | 75 ppm                                         | CA BC OEL |
|                                 |          | TWA                              | 50 ppm<br>270 mg/m <sup>3</sup>                | CA ON OEL |

**Biological occupational exposure limits**

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time     | Permissible concentration | Basis        |
|------------|---------|--------------------|---------------------|-------------------|---------------------------|--------------|
| Acetone    | 67-64-1 | Acetone            | Urine               | End of shift (As) | 25 mg/l                   | ACGIH<br>BEI |

**EUROCLEAR, Urethane clearcoat, 3.7 L**

Version 1.3      Revision Date: 06/09/2022      SDS Number: 4961746-00004      Date of last issue: 09/22/2021  
 Date of first issue: 09/30/2019

|  |  |  |  |                                         |  |  |
|--|--|--|--|-----------------------------------------|--|--|
|  |  |  |  | soon as possible after exposure ceases) |  |  |
|--|--|--|--|-----------------------------------------|--|--|

**Engineering measures** : Minimize workplace exposure concentrations.  
 If sufficient ventilation is unavailable, use with local exhaust ventilation.  
 Use explosion-proof electrical, ventilating and lighting equipment.

**Personal protective equipment**

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Self-contained breathing apparatus

Hand protection  
 Material : butyl-rubber

Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the product. Change gloves often!

Eye protection : Wear the following personal protective equipment:  
 Safety goggles

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
 Wear the following personal protective equipment:  
 If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.  
 Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.  
 When using do not eat, drink or smoke.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|                |                              |                              |                                                                   |
|----------------|------------------------------|------------------------------|-------------------------------------------------------------------|
| Version<br>1.3 | Revision Date:<br>06/09/2022 | SDS Number:<br>4961746-00004 | Date of last issue: 09/22/2021<br>Date of first issue: 09/30/2019 |
|----------------|------------------------------|------------------------------|-------------------------------------------------------------------|

---

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Appearance                                       | : liquid                       |
| Color                                            | : clear                        |
| Odor                                             | : characteristic               |
| Odor Threshold                                   | : No data available            |
| pH                                               | : No data available            |
| Melting point/freezing point                     | : -36 °C                       |
| Initial boiling point and boiling range          | : 56 °C                        |
| Flash point                                      | : -18 °C<br>Method: closed cup |
| Evaporation rate                                 | : No data available            |
| Flammability (solid, gas)                        | : Not applicable               |
| Flammability (liquids)                           | : Ignitable (see flash point)  |
| Upper explosion limit / Upper flammability limit | : 13 %(V)                      |
| Lower explosion limit / Lower flammability limit | : 1.7 %(V)                     |
| Vapor pressure                                   | : No data available            |
| Relative vapor density                           | : No data available            |
| Density                                          | : 1.01 g/cm <sup>3</sup>       |
| Solubility(ies)<br>Water solubility              | : slightly soluble             |
| Partition coefficient: n-octanol/water           | : Not applicable               |
| Autoignition temperature                         | : 272 °C                       |
| Decomposition temperature                        | : No data available            |
| Viscosity<br>Viscosity, kinematic                | : No data available            |
| Explosive properties                             | : Not explosive                |



**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : Not applicable

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Highly flammable liquid and vapor.  
Vapors may form explosive mixture with air.  
Can react with strong oxidizing agents.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

---

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

**Components:****n-Butyl acetate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 21.1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**Acetone:**

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Acute oral toxicity : LD50 (Rat): 5,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): 7,426 mg/kg

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 32.03 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 3,300 mg/kg

**2-Methoxy-1-methylethyl acetate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC0 (Rat): 9.48 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****n-Butyl acetate:**

Species : Rabbit

Result : No skin irritation

Assessment : Repeated exposure may cause skin dryness or cracking.

**Acetone:**

Assessment : Repeated exposure may cause skin dryness or cracking.

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Species : Rabbit

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Result : No skin irritation

**2-Methoxy-1-methylethyl acetate:**

Species : Rabbit  
Result : No skin irritation

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Species : Rabbit  
Result : No skin irritation  
Remarks : Based on data from similar materials

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****n-Butyl acetate:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

**Acetone:**

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days  
Method : OECD Test Guideline 405

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Species : Rabbit  
Result : No eye irritation

**2-Methoxy-1-methylethyl acetate:**

Species : Rabbit  
Result : No eye irritation

**Respiratory or skin sensitization****Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

Not classified based on available information.

**Components:****n-Butyl acetate:**

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Result : negative

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

**Acetone:**

|                    |                     |
|--------------------|---------------------|
| Test Type          | : Maximization Test |
| Routes of exposure | : Skin contact      |
| Species            | : Guinea pig        |
| Result             | : negative          |

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

|                    |                                 |
|--------------------|---------------------------------|
| Test Type          | : Local lymph node assay (LLNA) |
| Routes of exposure | : Skin contact                  |
| Species            | : Mouse                         |
| Method             | : OECD Test Guideline 429       |
| Result             | : positive                      |

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| Assessment | : Probability or evidence of low to moderate skin sensitization rate in humans |
|------------|--------------------------------------------------------------------------------|

**2-Methoxy-1-methylethyl acetate:**

|                    |                           |
|--------------------|---------------------------|
| Test Type          | : Maximization Test       |
| Routes of exposure | : Skin contact            |
| Species            | : Guinea pig              |
| Method             | : OECD Test Guideline 406 |
| Result             | : negative                |

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

|                    |                                        |
|--------------------|----------------------------------------|
| Test Type          | : Maximization Test                    |
| Routes of exposure | : Skin contact                         |
| Species            | : Guinea pig                           |
| Method             | : OECD Test Guideline 406              |
| Result             | : positive                             |
| Remarks            | : Based on data from similar materials |

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Assessment | : Probability or evidence of high skin sensitization rate in humans |
|------------|---------------------------------------------------------------------|

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****n-Butyl acetate:**

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| Genotoxicity in vitro | : Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative |
|-----------------------|--------------------------------------------------------------------------|

**Acetone:**

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| Genotoxicity in vitro | : Test Type: In vitro mammalian cell gene mutation test<br>Result: negative |
|-----------------------|-----------------------------------------------------------------------------|

|  |                                                                        |
|--|------------------------------------------------------------------------|
|  | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative |
|--|------------------------------------------------------------------------|

|  |                                                |
|--|------------------------------------------------|
|  | Test Type: Chromosome aberration test in vitro |
|--|------------------------------------------------|

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: negative

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)  
Species: Rat  
Application Route: Ingestion  
Result: negative

**2-Methoxy-1-methylethyl acetate:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Result: negative  
Remarks: Based on data from similar materials

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: positive  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Method: OECD Test Guideline 474  
Result: negative  
Remarks: Based on data from similar materials

**Carcinogenicity**

Not classified based on available information.

**Components:****Acetone:**

Species : Mouse  
Application Route : Skin contact  
Exposure time : 424 days  
Result : negative

**2-Methoxy-1-methylethyl acetate:**

Species : Rat  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Result : negative  
Remarks : Based on data from similar materials

**Reproductive toxicity**

Not classified based on available information.

**Components:****n-Butyl acetate:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapor)  
Method: OECD Test Guideline 416  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

**Acetone:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Effects on fertility : Test Type: One-generation reproduction toxicity study

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on fetal development : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

**2-Methoxy-1-methylethyl acetate:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapor)  
Method: OECD Test Guideline 416  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 415  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 415  
Result: negative  
Remarks: Based on data from similar materials

**STOT-single exposure**

May cause drowsiness or dizziness.

**Components:****n-Butyl acetate:**

Assessment : May cause drowsiness or dizziness.

**Acetone:**

Assessment : May cause drowsiness or dizziness.

**2-Methoxy-1-methylethyl acetate:**

Assessment : May cause drowsiness or dizziness.

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

**STOT-repeated exposure**

Not classified based on available information.

**Repeated dose toxicity****Components:****n-Butyl acetate:**

|                   |                      |
|-------------------|----------------------|
| Species           | : Rat                |
| NOAEL             | : 2.4 mg/l           |
| Application Route | : inhalation (vapor) |
| Exposure time     | : 90 Days            |

**Acetone:**

|                   |               |
|-------------------|---------------|
| Species           | : Rat         |
| NOAEL             | : 900 mg/kg   |
| LOAEL             | : 1,700 mg/kg |
| Application Route | : Ingestion   |
| Exposure time     | : 90 Days     |

|                   |                      |
|-------------------|----------------------|
| Species           | : Rat                |
| NOAEL             | : 45 mg/l            |
| Application Route | : inhalation (vapor) |
| Exposure time     | : 8 Weeks            |

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

|                   |             |
|-------------------|-------------|
| Species           | : Rat       |
| LOAEL             | : 150 mg/kg |
| Application Route | : Ingestion |
| Exposure time     | : 90 Days   |

**2-Methoxy-1-methylethyl acetate:**

|                   |                           |
|-------------------|---------------------------|
| Species           | : Rat                     |
| NOAEL             | : > 1,000 mg/kg           |
| Application Route | : Ingestion               |
| Exposure time     | : 41 - 45 Days            |
| Method            | : OECD Test Guideline 422 |

|                   |                                        |
|-------------------|----------------------------------------|
| Species           | : Mouse                                |
| NOAEL             | : 1.62 mg/l                            |
| Application Route | : inhalation (vapor)                   |
| Exposure time     | : 2 y                                  |
| Remarks           | : Based on data from similar materials |

|                   |                                        |
|-------------------|----------------------------------------|
| Species           | : Rabbit                               |
| NOAEL             | : > 1,838 mg/kg                        |
| Application Route | : Skin contact                         |
| Exposure time     | : 90 Days                              |
| Remarks           | : Based on data from similar materials |

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

|         |       |
|---------|-------|
| Species | : Rat |
|---------|-------|



**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

|                   |   |                                      |
|-------------------|---|--------------------------------------|
| NOAEL             | : | > 100 mg/kg                          |
| LOAEL             | : | > 300 mg/kg                          |
| Application Route | : | Ingestion                            |
| Exposure time     | : | 28 Days                              |
| Method            | : | OECD Test Guideline 407              |
| Remarks           | : | Based on data from similar materials |

**Aspiration toxicity**

Not classified based on available information.

**Components:****Acetone:**

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

---

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****n-Butyl acetate:**

|                                                                        |   |                                                                                                                                                                            |
|------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                                       | : | LC50 (Pimephales promelas (fathead minnow)): 18 mg/l<br>Exposure time: 96 h                                                                                                |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia sp. (Water flea)): 44 mg/l<br>Exposure time: 48 h                                                                                                            |
| Toxicity to algae/aquatic plants                                       | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): 397 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br>Remarks: Based on data from similar materials |
|                                                                        |   | NOEC (Pseudokirchneriella subcapitata (green algae)): 196 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br>Remarks: Based on data from similar materials  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 23.2 mg/l<br>Exposure time: 21 d<br>Method: OECD Test Guideline 211<br>Remarks: Based on data from similar materials                    |
| Toxicity to microorganisms                                             | : | IC50 (Tetrahymena pyriformis): 356 mg/l<br>Exposure time: 40 h                                                                                                             |

**Acetone:**

|                  |   |                                                                               |
|------------------|---|-------------------------------------------------------------------------------|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 5,540 mg/l<br>Exposure time: 96 h |
|------------------|---|-------------------------------------------------------------------------------|

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

|                                                                        |   |                                                                                                         |
|------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------|
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia pulex (Water flea)): 8,800 mg/l<br>Exposure time: 48 h                                    |
| Toxicity to algae/aquatic plants                                       | : | NOEC (Pseudokirchneriella subcapitata (green algae)): 7,000 mg/l<br>Exposure time: 96 h                 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): >= 79 mg/l<br>Exposure time: 21 d<br>Method: OECD Test Guideline 211 |
| Toxicity to microorganisms                                             | : | EC50: 61,150 mg/l<br>Exposure time: 30 min<br>Method: ISO 8192                                          |

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

|                                  |   |                                                                                                                              |
|----------------------------------|---|------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                 | : | LC50 (Danio rerio (zebra fish)): 3 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203                            |
| Toxicity to algae/aquatic plants | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.41 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
|                                  |   | EC10 (Pseudokirchneriella subcapitata (green algae)): > 0.41 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201  |
| Toxicity to microorganisms       | : | EC50: 103.6 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209                                                    |

**2-Methoxy-1-methylethyl acetate:**

|                                                               |   |                                                                                                                               |
|---------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                              | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 - 180 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203        |
| Toxicity to daphnia and other aquatic invertebrates           | : | EC50 (Daphnia magna (Water flea)): > 500 mg/l<br>Exposure time: 48 h                                                          |
| Toxicity to algae/aquatic plants                              | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 201 |
|                                                               |   | NOEC (Pseudokirchneriella subcapitata (algae)): > 1,000 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 201        |
| Toxicity to daphnia and other aquatic invertebrates (Chronic) | : | NOEC (Daphnia magna (Water flea)): >= 100 mg/l<br>Exposure time: 21 d                                                         |

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

ic toxicity) Method: OECD Test Guideline 211

Toxicity to microorganisms : EC10: > 1,000 mg/l  
Exposure time: 0.5 h

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.97 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 20 mg/l  
aquatic invertebrates Exposure time: 24 h

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.1 -  
plants 1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

EC10 (Pseudokirchneriella subcapitata (green algae)): > 0.1 -  
1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): > 0.1 - 1 mg/l  
aquatic invertebrates (Chron- Exposure time: 21 d  
ic toxicity) Method: OECD Test Guideline 211  
Remarks: Based on data from similar materials

Toxicity to microorganisms : EC50 (Bacteria): > 100 mg/l  
Exposure time: 3 h

**Persistence and degradability****Components:****n-Butyl acetate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 83 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**Acetone:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 91 %  
Exposure time: 28 d

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 19.2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

**2-Methoxy-1-methylethyl acetate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 90 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 38 %  
Exposure time: 28 d

**Bioaccumulative potential****Components:****n-Butyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 2.3

**Acetone:**

Partition coefficient: n-octanol/water : log Pow: -0.27 - -0.23

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 121.8 - 202

Partition coefficient: n-octanol/water : log Pow: 3.7

**2-Methoxy-1-methylethyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 1.2

**Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate:**

Partition coefficient: n-octanol/water : log Pow: > 2 - 3  
Method: OECD Test Guideline 107

**Mobility in soil**

No data available

**Other adverse effects**

No data available

---

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Empty containers retain residue and can be dangerous.  
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.  
If not otherwise specified: Dispose of as unused product.

---

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

|                      |                          |
|----------------------|--------------------------|
| UN number            | : UN 1263                |
| Proper shipping name | : PAINT RELATED MATERIAL |
| Class                | : 3                      |
| Packing group        | : II                     |
| Labels               | : 3                      |

**IATA-DGR**

|                                          |                          |
|------------------------------------------|--------------------------|
| UN/ID No.                                | : UN 1263                |
| Proper shipping name                     | : Paint related material |
| Class                                    | : 3                      |
| Packing group                            | : II                     |
| Labels                                   | : Flammable Liquids      |
| Packing instruction (cargo aircraft)     | : 364                    |
| Packing instruction (passenger aircraft) | : 353                    |

**IMDG-Code**

|                      |                          |
|----------------------|--------------------------|
| UN number            | : UN 1263                |
| Proper shipping name | : PAINT RELATED MATERIAL |
| Class                | : 3                      |
| Packing group        | : II                     |
| Labels               | : 3                      |
| EmS Code             | : F-E, <u>S-E</u>        |
| Marine pollutant     | : no                     |

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

Not applicable for product as supplied.

**Domestic regulation****TDG**

|                      |                          |
|----------------------|--------------------------|
| UN number            | : UN 1263                |
| Proper shipping name | : PAINT RELATED MATERIAL |
| Class                | : 3                      |
| Packing group        | : II                     |
| Labels               | : 3                      |
| ERG Code             | : 128                    |
| Marine pollutant     | : no                     |

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION**

**Volatile organic compounds (VOC) content** CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 - Guidelines for VOC in Consumer Products  
VOC content: 267.21 g/l  
Remarks: VOC content excluding water and exempt compounds

**The ingredients of this product are reported in the following inventories:**

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

|                    |   |                                                                                                                                         |
|--------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------|
| ACGIH              | : | USA. ACGIH Threshold Limit Values (TLV)                                                                                                 |
| ACGIH BEI          | : | ACGIH - Biological Exposure Indices (BEI)                                                                                               |
| CA AB OEL          | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)                                                                     |
| CA BC OEL          | : | Canada. British Columbia OEL                                                                                                            |
| CA ON OEL          | : | Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.                                        |
| CA QC OEL          | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA        | : | 8-hour, time-weighted average                                                                                                           |
| ACGIH / STEL       | : | Short-term exposure limit                                                                                                               |
| CA AB OEL / TWA    | : | 8-hour Occupational exposure limit                                                                                                      |
| CA AB OEL / STEL   | : | 15-minute occupational exposure limit                                                                                                   |
| CA BC OEL / TWA    | : | 8-hour time weighted average                                                                                                            |
| CA BC OEL / STEL   | : | short-term exposure limit                                                                                                               |
| CA ON OEL / TWA    | : | Time-Weighted Average Limit (TWA)                                                                                                       |
| CA QC OEL / TWA EV | : | Time-weighted average exposure value                                                                                                    |
| CA QC OEL / STEV   | : | Short-term exposure value                                                                                                               |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory con-

**EUROCLEAR, Urethane clearcoat, 3.7 L**

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 09/22/2021  |
| 1.3     | 06/09/2022     | 4961746-00004 | Date of first issue: 09/30/2019 |

---

centration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 06/09/2022  
Date format : mm/dd/yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CA / Z8