

**SAFETY DATA SHEET**

in accordance with 1907/2006/EC (REACH, as amended by 2015/830/EU) 29 CFR 1910.1200 and WHMIS 2015

**Revision date:** 24 September 2020      **Initial date of issue:** 13 July 2007      **SDS No.** 425A-3b

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

ARC S1PW (Part A) (BLU and WH)

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

ARC S1PW is a potable water, abrasion resistant coating.

**1.3. Details of the supplier of the safety data sheet**

**Company:**

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel. +1 978-469-6446 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: www.chesterton.com  
E-mail (SDS questions): ProductMSDSs@chesterton.com  
E-mail: customer.service@chesterton.com

**Supplier:**

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 - Tel. 905-335-5055  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

**1.4. Emergency telephone number**

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)  
NSW Poisons Information Centre (Australia): 13 11 26

**SECTION 2: HAZARDS IDENTIFICATION**

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

**2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS**

Skin Irrit. 2, H315  
Skin Sens. 1, H317  
Eye Irrit. 2, H319  
Aquatic Chronic 2, H411

**2.1.2. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.3. Additional information**

For full text of H-statements: see SECTIONS 2.2 and 16.

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS**

**Hazard pictograms:**



**Signal word:**

Warning

**Hazard statements:**

|      |  |
|------|--|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H319 | Causes serious eye irritation.                   |
| H411 | Toxic to aquatic life with long lasting effects. |

|                                  |              |  |
|----------------------------------|--------------|--|
| <b>Precautionary statements:</b> | P261         | Avoid breathing mist/spray.  |
|                                  | P264         | Wash hands thoroughly after handling.  |
|                                  | P273         | Avoid release to the environment.  |
|                                  | P280         | Wear protective gloves and eye/face protection.  |
|                                  | P302/352     | IF ON SKIN: Wash with plenty of soap and water.  |
|                                  | P333/313     | If skin irritation or rash occurs: Get medical advice/attention.   |
|                                  | P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|                                  | P337/313     | If eye irritation persists: Get medical advice/attention.  |
|                                  | P362/364     | Take off contaminated clothing and wash it before reuse.   |
|                                  | P391         | Collect spillage.  |

**Supplemental information:** None

### 2.3. Other hazards

The safety and health hazards are detailed separately for Part A and Part B. The final cured material is considered nonhazardous. Upon machining, refer to the precautions in the safety data sheets for Part A and Part B.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

| Hazardous Ingredients <sup>1</sup>                   | % Wt. | CAS No./<br>EC No.      | REACH<br>Reg. No.    | CLP/GHS Classification   |
|--|-------|-------------------------|----------------------|--|
| Epoxy resin (number average molecular weight <= 700) | 25-35 | 9003-36-5*<br>500-006-8 | 01-211945<br>4392-40 | Skin Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                       |
| Epoxy resin (number average molecular weight <= 700) | 15-25 | 25068-38-6<br>500-033-5 | NA                   | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411 |
| Other ingredients <sup>1</sup> :                     |       |                         |                      |  |
| Aluminum oxide                                       | 20-30 | 1344-28-1<br>215-691-6  | NA                   | Not classified**   |
| Titanium dioxide                                     | 3-6   | 13463-67-7<br>236-675-5 | NA                   | Not classified**   |
| Silica (Quartz)                                      | 1-3   | 14808-60-7<br>238-878-4 | NA                   | Not classified**   |

\*Alternative CAS No: 28064-14-4. \*\*Substance with a workplace exposure limit.

For full text of H-statements: see SECTION 16.

<sup>1</sup> Classified according to: \* 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), California Proposition 65  
\* 1272/2008/EC, GHS, REACH  
\* WHMIS 2015  
\* Safe Work Australia

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.  |
| <b>Skin contact:</b> | Remove contaminated clothing. Wash skin with soap and water. Consult physician if irritation develops.    |
| <b>Eye contact:</b>  | Flush eyes for at least 15 minutes with large amounts of water. Consult physician if irritation develops. |
| <b>Ingestion:</b>    | Do not induce vomiting. Contact physician immediately.  |

### 4.2. Most important symptoms and effects, both acute and delayed

Moderate eye and skin irritant. May cause skin sensitization as evidenced by rashes or hives.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam or water fog

**Unsuitable extinguishing media:** None known

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can form aldehydes, acids or other toxic fumes.

**5.3. Advice for firefighters**

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** 2 Z

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid skin contact. Utilize exposure controls and personal protection as specified in Section 8.

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

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

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Utilize exposure controls and personal protection as specified in Section 8. Avoid breathing mist. Remove contaminated clothing immediately. Wash clothing before reuse. Contaminated leather including shoes cannot be decontaminated and should be discarded. Avoid creating and breathing dust during removal, drilling, grinding, sawing or sanding.

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

Store between 10°C (50°F) and 32°C (90°F) in a dry area. Keep from freezing.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

| Ingredients  | OSHA PEL <sup>1</sup> |                   | ACGIH TLV <sup>2</sup> |                   | UK WEL <sup>3</sup> |                   | AUSTRALIA ES <sup>4</sup> |                   |
|--|-----------------------|-------------------|------------------------|-------------------|---------------------|-------------------|---------------------------|-------------------|
|  | ppm                   | mg/m <sup>3</sup> | ppm                    | mg/m <sup>3</sup> | ppm                 | mg/m <sup>3</sup> | ppm                       | mg/m <sup>3</sup> |
| Epoxy resin (number average molecular weight <= 700) | –                     | –                 | –                      | –                 | –                   | –                 | –                         | –                 |
| Epoxy resin (number average molecular weight <= 700) | –                     | –                 | –                      | –                 | –                   | –                 | –                         | –                 |
| Aluminum oxide                                       | (resp)<br>(total)     | 5<br>15           | (resp)                 | 1                 | (inhal)<br>(resp)   | 10<br>4           | (insp)                    | 10                |
| Titanium dioxide                                     | (total)               | 15                | –                      | 10                | (inhal)<br>(resp)   | 10<br>4           | –                         | 10                |
| Silica (Quartz)                                      | (resp)                | 0.05              | (resp)                 | 0.025             | (resp)              | 0.1               | (resp)                    | 0.1               |

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003]

**Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:****Workers**

| Substance                       | Route of exposure | Potential health effects                         | DNEL                      |
|---------------------------------|-------------------|--|---------------------------|
| Epoxy resin (CAS no. 9003-36-5) | Inhalation        | Acute effects, local / Acute effects, systemic   | No data available         |
|                                 |                   | Chronic effects, local                           | No data available         |
|                                 |                   | Chronic effects, systemic                        | 29.39 mg/m <sup>3</sup>   |
|                                 | Dermal            | Acute effects, local                             | 0.0083 mg/cm <sup>2</sup> |
|                                 |                   | Acute effects, systemic / Chronic effects, local | No data available         |
|                                 |                   | Chronic effects, systemic                        | 104.15 mg/kg bw/day       |

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:**

| Substance                       | Environmental protection target    | PNEC         |
|---------------------------------|------------------------------------|--------------|
| Epoxy resin (CAS no. 9003-36-5) | Fresh water                        | 0.003 mg/l   |
|                                 | Marine water                       | 0.0003 mg/l  |
|                                 | Water, intermittent release        | 0.0254 mg/l  |
|                                 | Microorganisms in sewage treatment | 10 mg/l      |
|                                 | Freshwater sediments               | 0.294 mg/kg  |
|                                 | Marine sediments                   | 0.0294 mg/kg |
|                                 | Soil (agricultural)                | 0.237 mg/kg  |
|                                 |                                    |              |

**8.2. Exposure controls****8.2.1. Engineering measures**

Provide sufficient ventilation to keep the vapor concentrations below the exposure limits. If it is necessary to alter the final cured product such that dust may be generated, use adequate dust extraction or damp down.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. During spraying wear suitable respiratory equipment.

**Protective gloves:** Chemical resistant gloves (e.g., butyl rubber, nitrile)

**Eye and face protection:** Safety goggles.

**Other:** Impervious clothing as necessary to prevent skin contact.

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

|   |                     |                                      |                |
|---|---------------------|--------------------------------------|----------------|
| <b>Physical state</b>                               | viscous paste       | <b>Odour</b>                         | sweet odor     |
| <b>Colour</b>                                       | light blue or white | <b>Odour threshold</b>               | not determined |
| <b>Initial boiling point</b>                        | not determined      | <b>Vapour pressure @ 20°C</b>        | not determined |
| <b>Melting point</b>                                | not determined      | <b>% Aromatics by weight</b>         | 0%             |
| <b>% Volatile (by volume)</b>                       | 0%                  | <b>pH</b>                            | not applicable |
| <b>Flash point</b>                                  | 103°C (218°F)       | <b>Relative density</b>              | 1.72 kg/l      |
| <b>Method</b>                                       | PM Closed Cup       | <b>Weight per volume</b>             | 14.32 lbs/gal. |
| <b>Viscosity</b>                                    | 45,000 cps @ 25°C   | <b>Coefficient (water/oil)</b>       | < 1            |
| <b>Autoignition temperature</b>                     | not determined      | <b>Vapour density (air=1)</b>        | > 1            |
| <b>Decomposition temperature</b>                    | not determined      | <b>Rate of evaporation (ether=1)</b> | < 1            |
| <b>Upper/lower flammability or explosive limits</b> | not applicable      | <b>Solubility in water</b>           | insoluble      |
| <b>Flammability (solid, gas)</b>                    | not applicable      | <b>Oxidising properties</b>          | not determined |
| <b>Explosive properties</b>                         | not determined      |                                      |                |

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Heat above 149°C (300°F).

**10.5. Incompatible materials**

Strong mineral acids and bases, strong organic bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, aldehydes, acids and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Skin and eye contact. Personnel with pre-existing skin and eye disorders and skin allergies may be aggravated by exposure.

**Acute toxicity -****Oral:**

| Substance  | Test      | Result        |
|--|-----------|---------------|
| Epoxy resin (number average molecular weight <= 700) | LD50, rat | > 5000 mg/kg  |
| Aluminum oxide                                       | LD50, rat | > 5000 mg/kg  |
| Titanium dioxide                                     | LD50, rat | > 10000 mg/kg |

**Dermal:**

| Substance  | Test         | Result        |
|--|--------------|---------------|
| Epoxy resin (number average molecular weight <= 700) | LD50, rabbit | > 2000 mg/kg  |
| Titanium dioxide                                     | LD50, rabbit | > 10000 mg/kg |

**Inhalation:**

| Substance                        | Test                | Result                                 |
|----------------------------------|---------------------|--|
| Epoxy resin (CAS no. 25068-38-6) | LC0, rat, 5-8 hours | No mortality at vapor saturation level |
| Titanium dioxide                 | LC50, rat, 4 hours  | > 6.82 mg/l                            |

**Skin corrosion/irritation:**

Causes skin irritation.

| Substance  | Test                    | Result              |
|--|-------------------------|---------------------|
| Epoxy resin (number average molecular weight <= 700) | Skin irritation, rabbit | Moderate irritation |
| Titanium dioxide                                     | Skin irritation, rabbit | Not irritating      |

**Serious eye damage/irritation:**

Causes serious eye irritation.

| Substance                        | Test                   | Result              |
|----------------------------------|------------------------|---------------------|
| Epoxy resin (CAS no. 25068-38-6) | Eye irritation, rabbit | Moderate irritation |
| Epoxy resin (CAS no. 28064-14-4) | Eye irritation, rabbit | Not irritating      |
| Titanium dioxide                 | Eye irritation, rabbit | Not irritating      |

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction.

| Substance  | Test                           | Result          |
|--|--------------------------------|-----------------|
| Epoxy resin (number average molecular weight <= 700) | Skin sensitization, guinea pig | Sensitizing     |
| Titanium dioxide                                     | Skin sensitization, guinea pig | Not sensitizing |

**Germ cell mutagenicity:**

Epoxy resin (number average molecular weight &lt;= 700), Aluminum oxide, Titanium dioxide: based on available data, the classification criteria are not met.

|                                |   |
|--------------------------------|---|
| <b>Carcinogenicity:</b>        | The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have classified inhaled silica as a human carcinogen. IARC has designated inhaled titanium dioxide as possibly carcinogenic to humans (group 2B). The silica and titanium dioxide in this product do not separate from the mixture or in of themselves become airborne, therefore, do not present a hazard in normal use. Epoxy resin (number average molecular weight <= 700): based on available data, the classification criteria are not met.      |
| <b>Reproductive toxicity:</b>  | Epoxy resin (number average molecular weight <= 700), Aluminum oxide, Titanium dioxide: based on available data, the classification criteria are not met.   |
| <b>STOT-single exposure:</b>   | Epoxy resin (number average molecular weight <= 700), Aluminum oxide, Titanium dioxide: based on available data, the classification criteria are not met.   |
| <b>STOT-repeated exposure:</b> | Epoxy resin (number average molecular weight <= 700), Aluminum oxide, Titanium dioxide: based on available data, the classification criteria are not met. Repeated inhalation of respirable free silica may cause scarring of the lungs with cough and shortness of breath. Silicosis, a delayed lung injury that is a disabling, progressive and sometimes fatal pulmonary fibrosis, may result. The silica in this product does not separate from the mixture or in of itself become air-borne, therefore it does not present a hazard in normal use. |
| <b>Aspiration hazard:</b>      | Based on available data, the classification criteria are not met.   |
| <b>Other information:</b>      | None known  |

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

### 12.1. Toxicity

Epoxy resin (number average molecular weight <= 700): moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/l in the most sensitive species).

### 12.2. Persistence and degradability

Epoxy resin: not readily biodegradable (biodegradation, OECD 301F, 28 days: 5%). Silica, Titanium dioxide, Aluminum oxide: inorganic substances. Unreacted components (Parts A and B), improperly released to the environment, can cause ground and water pollution.

### 12.3. Bioaccumulative potential

Epoxy resin: log Kow = 2.64 – 3.78, low potential for bioaccumulation.

### 12.4. Mobility in soil

Viscous paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Epoxy resin: if product enters soil, it will be mobile and may contaminate groundwater (Log Koc ≤ 3.65).

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with a properly licensed facility. May be incinerated at an appropriate facility. The unhardened product is classified as a hazardous waste according to 2008/98/EC. Check local, state and national/federal regulations and comply with the most stringent requirement.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

|                               |        |
|-------------------------------|--------|
| <b>ADR/RID/ADN/IMDG/ICAO:</b> | UN3082 |
| <b>TDG:</b>                   | UN3082 |
| <b>US DOT:</b>                | UN3082 |

### 14.2. UN proper shipping name

|                               |   |
|-------------------------------|---|
| <b>ADR/RID/ADN/IMDG/ICAO:</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN) |
| <b>TDG:</b>                   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN) |
| <b>US DOT:</b>                | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN) |

### 14.3. Transport hazard class(es)

|                               |   |
|-------------------------------|---|
| <b>ADR/RID/ADN/IMDG/ICAO:</b> | 9 |
| <b>TDG:</b>                   | 9 |
| <b>US DOT:</b>                | 9 |

**14.4. Packing group**

ADR/RID/ADN/IMDG/ICAO: III  
 TDG: III  
 US DOT: III

**14.5. Environmental hazards**

MARINE POLLUTANT

**14.6. Special precautions for user**

NO SPECIAL PRECAUTIONS FOR USER

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

NOT APPLICABLE

**14.8. Other information**

US DOT: ERG NO.171,

May be shipped as NON-RESTRICTED in non-bulk packagings (119 gallons or less) by motor vehicle, rail car or aircraft.  
 (49 CFR 171.4(c))

IMDG: EmS. F-A, S-F

May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (IMDG CODE Amendment 37-14, 2.10.2.7)

ICAO/IATA: May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (IATA Dangerous Goods Regulation 56<sup>th</sup> edition, 4.4 Special Provisions A197)

ADR: Classification code M6 Tunnel restriction code (E)

May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (ADR 2015 Volume 1, Chapter 3.3 Special Provisions 375)

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU regulations**

Authorisations under Title VII: Not applicable

Restrictions under Title VIII: None

Other EU regulations: Directive 94/33/EC on the protection of young people at work.

**15.1.2. National regulations****US EPA SARA TITLE III****312 Hazards:**

Immediate  
 Delayed

**313 Chemicals:**

None

Other national regulations: National implementation of the EC Directive referred to in section 15.1.1.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 cATpE: Converted Acute Toxicity point Estimate  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 REL: Recommended Exposure Limit  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure  
 STOT SE: Specific Target Organ Toxicity, Single Exposure  
 TDG: Transportation of Dangerous Goods (Canada)  
 TWA: Time Weighted Average  
 US DOT: United States Department of Transportation  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

| Classification          | Classification procedure      |
|-------------------------|-------------------------------|
| Eye Irrit. 2, H319      | Calculation method            |
| Skin Irrit. 2, H315     | Calculation method            |
| Skin Sens. 1, H317      | Bridging principle "Dilution" |
| Aquatic Chronic 2, H411 | Calculation method            |

**Relevant H-statements:** H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Exclamation mark, environment.

**Changes to the SDS in this revision:** Section 2.1.

**Date of last revision:** 24 September 2020

**Further information:** None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.