



## Everlife WB (HG)-Safety Blue F52177

### ICP Construction

Version No: 2.2

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: 03/30/2017

Print Date: 03/30/2017

S.GHS.USA.EN

## SECTION 1 IDENTIFICATION

### Product Identifier

|                               |                                     |
|-------------------------------|-------------------------------------|
| Product name                  | Everlife WB (HG)-Safety Blue F52177 |
| Synonyms                      | Not Available                       |
| Other means of identification | Not Available                       |

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

|                          |       |
|--------------------------|-------|
| Relevant identified uses | Paint |
|--------------------------|-------|

### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

|                         |  |
|-------------------------|--|
| Registered company name | ICP Construction                                     |
| Address                 | 150 Dascomb Road Massachusetts Andover United States |
| Telephone               | 978-623-9980   |
| Fax                     | Not Available  |
| Website                 | Not Available  |
| Email                   | Not Available  |

### Emergency phone number

|                                   |                |
|-----------------------------------|----------------|
| Association / Organisation        | Chemtel        |
| Emergency telephone numbers       | 1-800-255-3924 |
| Other emergency telephone numbers | 1-813-248-0585 |

## SECTION 2 HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture

|                |                                  |
|----------------|----------------------------------|
| Classification | Reproductive Toxicity Category 2 |
|----------------|----------------------------------|

### Label elements

|                    |  |
|--------------------|--|
| GHS label elements |  |
|--------------------|--|

SIGNAL WORD **WARNING**

### Hazard statement(s)

|      |  |
|------|--|
| H361 | Suspected of damaging fertility or the unborn child. |
|------|--|

### Hazard(s) not otherwise specified

Not Applicable

### Precautionary statement(s) Prevention

|      |  |
|------|--|
| P201 | Obtain special instructions before use.        |
| P281 | Use personal protective equipment as required. |

### Precautionary statement(s) Response

Continued...

|           |  |
|-----------|--|
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
|-----------|--|

**Precautionary statement(s) Storage**

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

**Precautionary statement(s) Disposal**

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---|

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

See section below for composition of Mixtures

**Mixtures**

| CAS No    | %[weight] | Name                                      |
|-----------|-----------|---|
| 1317-70-0 |           | <u>titanium dioxide (anatase)</u>         |
| 111-77-3  | 1-10      | <u>diethylene glycol monomethyl ether</u> |
| 7632-00-0 | <1        | <u>sodium nitrite</u>                     |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST-AID MEASURES****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> <li>▶ Wash out immediately with water.</li> <li>▶ If irritation continues, seek medical attention.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>   |
| <b>Skin Contact</b> | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Immediately remove all contaminated clothing, including footwear.</li> <li>▶ Flush skin and hair with running water (and soap if available).</li> <li>▶ Seek medical attention in event of irritation.</li> </ul>  |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▶ Other measures are usually unnecessary.</li> </ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>▶ If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.</li> <li>▶ <b>If swallowed do NOT induce vomiting.</b></li> <li>▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>▶ Observe the patient carefully.</li> <li>▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>▶ Seek medical advice.</li> <li>▶ Avoid giving milk or oils.</li> <li>▶ Avoid giving alcohol.</li> </ul> |

**Most important symptoms and effects, both acute and delayed**

See Section 11

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

For acute or short term repeated exposures to xylene:

- ▶ Gastro-intestinal absorption is significant with ingestions. For ingestions exceeding 1-2 ml (xylene)/kg, intubation and lavage with cuffed endotracheal tube is recommended. The use of charcoal and cathartics is equivocal.
- ▶ Pulmonary absorption is rapid with about 60-65% retained at rest.
- ▶ Primary threat to life from ingestion and/or inhalation, is respiratory failure.
- ▶ Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO<sub>2</sub> < 50 mm Hg or pCO<sub>2</sub> > 50 mm Hg) should be intubated.
- ▶ Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- ▶ A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- ▶ Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.

**BIOLOGICAL EXPOSURE INDEX - BEI**

These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

| Determinant                    | Index                | Sampling Time       | Comments |
|--------------------------------|----------------------|---------------------|----------|
| Methylhippu-ric acids in urine | 1.5 gm/gm creatinine | End of shift        |          |
|                                | 2 mg/min             | Last 4 hrs of shift |          |

**SECTION 5 FIRE-FIGHTING MEASURES**

**Extinguishing media**

- ▶ Jets of water.
- ▶ Water spray or fog.
- ▶ Foam.
- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.

**Special hazards arising from the substrate or mixture**

|                             |             |
|-----------------------------|-------------|
| <b>Fire Incompatibility</b> | None known. |
|-----------------------------|-------------|

**Special protective equipment and precautions for fire-fighters**

|                              |   |
|------------------------------|---|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>▶ Prevent, by any means available, spillage from entering drains or water courses.</li> <li>▶ Use fire fighting procedures suitable for surrounding area.</li> <li>▶ <b>DO NOT</b> approach containers suspected to be hot.</li> <li>▶ Cool fire exposed containers with water spray from a protected location.</li> <li>▶ If safe to do so, remove containers from path of fire.</li> <li>▶ Equipment should be thoroughly decontaminated after use.</li> </ul> |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>▶ Non combustible.</li> <li>▶ Not considered a significant fire risk, however containers may burn.</li> </ul> <p>May emit poisonous fumes.<br/>May emit corrosive fumes.</p>   |

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

See section 8

**Environmental precautions**

See section 12

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

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | <ul style="list-style-type: none"> <li>▶ Clean up all spills immediately.</li> <li>▶ Avoid breathing vapours and contact with skin and eyes.</li> <li>▶ Control personal contact with the substance, by using protective equipment.</li> <li>▶ Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>▶ Wipe up.</li> <li>▶ Place in a suitable, labelled container for waste disposal.</li> </ul>   |
| <b>Major Spills</b> | <p>Moderate hazard.</p> <ul style="list-style-type: none"> <li>▶ Clear area of personnel and move upwind.</li> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ Wear breathing apparatus plus protective gloves.</li> <li>▶ Prevent, by any means available, spillage from entering drains or water course.</li> <li>▶ Stop leak if safe to do so.</li> <li>▶ Contain spill with sand, earth or vermiculite.</li> <li>▶ Collect recoverable product into labelled containers for recycling.</li> <li>▶ Neutralise/decontaminate residue (see Section 13 for specific agent).</li> <li>▶ Collect solid residues and seal in labelled drums for disposal.</li> <li>▶ Wash area and prevent runoff into drains.</li> <li>▶ After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</li> <li>▶ If contamination of drains or waterways occurs, advise emergency services.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

**SECTION 7 HANDLING AND STORAGE****Precautions for safe handling**

|                      |  |
|----------------------|--|
| <b>Safe handling</b> | <ul style="list-style-type: none"> <li>▶ Electrostatic discharge may be generated during pumping - this may result in fire.</li> <li>▶ Ensure electrical continuity by bonding and grounding (earthing) all equipment.</li> <li>▶ Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<math>\leq 1</math> m/sec until fill pipe submerged to twice its diameter, then <math>\leq 7</math> m/sec).</li> <li>▶ Avoid splash filling.</li> <li>▶ Do NOT use compressed air for filling discharging or handling operations.</li> <li>▶ Avoid all personal contact, including inhalation.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> <li>▶ Use in a well-ventilated area.</li> <li>▶ Avoid contact with moisture.</li> <li>▶ Avoid contact with incompatible materials.</li> <li>▶ <b>When handling, DO NOT eat, drink or smoke.</b></li> <li>▶ Keep containers securely sealed when not in use.</li> <li>▶ Avoid physical damage to containers.</li> <li>▶ Always wash hands with soap and water after handling.</li> <li>▶ Work clothes should be laundered separately. Launder contaminated clothing before re-use.</li> <li>▶ Use good occupational work practice.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>▶ Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul> |
|----------------------|--|

|                          |   |
|--------------------------|---|
|                          | ▶ <b>DO NOT</b> allow clothing wet with material to stay in contact with skin |
| <b>Other information</b> |   |

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

|                                |   |
|--------------------------------|---|
| <b>Suitable container</b>      | <ul style="list-style-type: none"> <li>▶ Polyethylene or polypropylene container.</li> <li>▶ Packing as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul>   |
| <b>Storage incompatibility</b> | <p>Xylenes:</p> <ul style="list-style-type: none"> <li>▶ may ignite or explode in contact with strong oxidisers, 1,3-dichloro-5,5-dimethylhydantoin, uranium fluoride</li> <li>▶ attack some plastics, rubber and coatings</li> <li>▶ may generate electrostatic charges on flow or agitation due to low conductivity.</li> <li>▶ Vigorous reactions, sometimes amounting to explosions, can result from the contact between aromatic rings and strong oxidising agents.</li> <li>▶ Aromatics can react exothermically with bases and with diazo compounds.</li> </ul> <p>For alkyl aromatics:<br/>The alkyl side chain of aromatic rings can undergo oxidation by several mechanisms. The most common and dominant one is the attack by oxidation at benzylic carbon as the intermediate formed is stabilised by resonance structure of the ring.</p> <ul style="list-style-type: none"> <li>▶ Following reaction with oxygen and under the influence of sunlight, a hydroperoxide at the alpha-position to the aromatic ring, is the primary oxidation product formed (provided a hydrogen atom is initially available at this position) - this product is often short-lived but may be stable dependent on the nature of the aromatic substitution; a secondary C-H bond is more easily attacked than a primary C-H bond whilst a tertiary C-H bond is even more susceptible to attack by oxygen</li> <li>▶ Monoalkylbenzenes may subsequently form monocarboxylic acids; alkyl naphthalenes mainly produce the corresponding naphthalene carboxylic acids.</li> <li>▶ Oxidation in the presence of transition metal salts not only accelerates but also selectively decomposes the hydroperoxides.</li> <li>▶ Hock-rearrangement by the influence of strong acids converts the hydroperoxides to hemiacetals. Peresters formed from the hydroperoxides undergo Criegee rearrangement easily.</li> <li>▶ Alkali metals accelerate the oxidation while CO<sub>2</sub> as co-oxidant enhances the selectivity.</li> <li>▶ Microwave conditions give improved yields of the oxidation products.</li> <li>▶ Photo-oxidation products may occur following reaction with hydroxyl radicals and NO<sub>x</sub> - these may be components of photochemical smogs.</li> </ul> <p>Oxidation of Alkylaromatics: T.S.S Rao and Shubhra Awasthi: E-Journal of Chemistry Vol 4, No. 1, pp 1-13 January 2007<br/>None known</p> |

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA**

| Source  | Ingredient                 | Material name                             | TWA                  | STEL          | Peak          | Notes               |
|---|----------------------------|---|----------------------|---------------|---------------|---------------------|
| US OSHA Permissible Exposure Levels (PELs) - Table Z1 | titanium dioxide (anatase) | Titanium dioxide                          | 15 mg/m <sup>3</sup> | Not Available | Not Available | Total dust          |
| US ACGIH Threshold Limit Values (TLV)                 | titanium dioxide (anatase) | Titanium dioxide                          | 10 mg/m <sup>3</sup> | Not Available | Not Available | TLV® Basis: LRT irr |
| US NIOSH Recommended Exposure Limits (RELs)           | titanium dioxide (anatase) | Rutile, Titanium oxide, Titanium peroxide | Not Available        | Not Available | Not Available | Ca See Appendix A   |

**EMERGENCY LIMITS**

| Ingredient                         | Material name  | TEEL-1                | TEEL-2                | TEEL-3                  |
|------------------------------------|--|-----------------------|-----------------------|-------------------------|
| titanium dioxide (anatase)         | Titanium oxide; (Titanium dioxide)                                 | 30 mg/m <sup>3</sup>  | 330 mg/m <sup>3</sup> | 2,000 mg/m <sup>3</sup> |
| diethylene glycol monomethyl ether | Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether) | 3.4 ppm               | 37 ppm                | 220 ppm                 |
| sodium nitrite                     | Sodium nitrite   | 6.4 mg/m <sup>3</sup> | 71 mg/m <sup>3</sup>  | 240 mg/m <sup>3</sup>   |

| Ingredient                         | Original IDLH                     | Revised IDLH            |
|------------------------------------|-----------------------------------|-------------------------|
| titanium dioxide (anatase)         | N.E. mg/m <sup>3</sup> / N.E. ppm | 5,000 mg/m <sup>3</sup> |
| diethylene glycol monomethyl ether | Not Available                     | Not Available           |
| sodium nitrite                     | Not Available                     | Not Available           |

**Exposure controls**

|   |   |                      |            |   |
|---|---|----------------------|------------|---|
| <b>Appropriate engineering controls</b>                                 | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:<br/>Process controls which involve changing the way a job activity or process is done to reduce the risk.<br/>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.<br/>Employers may need to use multiple types of controls to prevent employee overexposure.</p> <p>General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.</p> |                      |            |   |
|   | <table border="1"> <tr> <td>Type of Contaminant:</td> <td>Air Speed:</td> </tr> <tr> <td>solvent, vapours, degreasing etc., evaporating from tank (in still air)</td> <td>0.25-0.5 m/s (50-100 f/min)</td> </tr> </table>   | Type of Contaminant: | Air Speed: | solvent, vapours, degreasing etc., evaporating from tank (in still air) |
| Type of Contaminant:  | Air Speed:  |                      |            |   |
| solvent, vapours, degreasing etc., evaporating from tank (in still air) | 0.25-0.5 m/s (50-100 f/min)   |                      |            |   |

|   | <p>aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)</p> <p>direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)</p> <p>grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).</p>  | <p>0.5-1 m/s (100-200 f/min.)</p> <p>1-2.5 m/s (200-500 f/min)</p> <p>2.5-10 m/s (500-2000 f/min.)</p> |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
|---|---|--|------------------------|------------------------|---|---------------------------------|---|----------------------------------|----------------------------------|-------------------------------|---|------------------------------------|
|   | <p>Within each range the appropriate value depends on:</p> <table border="1"> <thead> <tr> <th>Lower end of the range</th> <th>Upper end of the range</th> </tr> </thead> <tbody> <tr> <td>1: Room air currents minimal or favourable to capture</td> <td>1: Disturbing room air currents</td> </tr> <tr> <td>2: Contaminants of low toxicity or of nuisance value only</td> <td>2: Contaminants of high toxicity</td> </tr> <tr> <td>3: Intermittent, low production.</td> <td>3: High production, heavy use</td> </tr> <tr> <td>4: Large hood or large air mass in motion</td> <td>4: Small hood - local control only</td> </tr> </tbody> </table> <p>Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.</p>  |  | Lower end of the range | Upper end of the range | 1: Room air currents minimal or favourable to capture | 1: Disturbing room air currents | 2: Contaminants of low toxicity or of nuisance value only | 2: Contaminants of high toxicity | 3: Intermittent, low production. | 3: High production, heavy use | 4: Large hood or large air mass in motion | 4: Small hood - local control only |
| Lower end of the range                                    | Upper end of the range  |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| 1: Room air currents minimal or favourable to capture     | 1: Disturbing room air currents   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| 2: Contaminants of low toxicity or of nuisance value only | 2: Contaminants of high toxicity  |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| 3: Intermittent, low production.                          | 3: High production, heavy use   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| 4: Large hood or large air mass in motion                 | 4: Small hood - local control only  |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Personal protection</b>                                |    |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Eye and face protection</b>                            | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields.</li> <li>▶ Chemical goggles.</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul>   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Skin protection</b>                                    | See Hand protection below   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Hands/feet protection</b>                              | <ul style="list-style-type: none"> <li>▶ Wear chemical protective gloves, e.g. PVC.</li> <li>▶ Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul> <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</p> <p>Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.</p> <p>Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:</p> <ul style="list-style-type: none"> <li>• frequency and duration of contact,</li> <li>• chemical resistance of glove material,</li> <li>• glove thickness and</li> <li>• dexterity</li> </ul> <p>Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).</p> <ul style="list-style-type: none"> <li>• When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.</li> <li>• When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.</li> <li>• Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.</li> <li>• Contaminated gloves should be replaced.</li> </ul> <p>For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended.</p> <p>It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times.</p> <p>Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task.</p> <p>Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:</p> <ul style="list-style-type: none"> <li>• Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.</li> <li>• Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential</li> </ul> <p>Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.</p> |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Body protection</b>                                    | See Other protection below  |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Other protection</b>                                   | <ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ P.V.C. apron.</li> <li>▶ Barrier cream.</li> <li>▶ Skin cleansing cream.</li> <li>▶ Eye wash unit.</li> </ul>   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |
| <b>Thermal hazards</b>                                    | Not Available   |  |                        |                        |   |                                 |   |                                  |                                  |                               |   |                                    |

**Respiratory protection**

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

| Appearance                                   | Text          |   |               |
|--|---------------|---|---------------|
| Physical state                               | Liquid        | Relative density (Water = 1)            | Not Available |
| Odour  | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold                              | Not Available | Auto-ignition temperature (°C)          | Not Available |
| pH (as supplied)                             | Not Available | Decomposition temperature               | Not Available |
| Melting point / freezing point (°C)          | Not Available | Viscosity (cSt)                         | Not Available |
| Initial boiling point and boiling range (°C) | Not Available | Molecular weight (g/mol)                | Not Available |
| Flash point (°C)                             | Not Available | Taste                                   | Not Available |
| Evaporation rate                             | Not Available | Explosive properties                    | Not Available |
| Flammability                                 | Not Available | Oxidising properties                    | Not Available |
| Upper Explosive Limit (%)                    | Not Available | Surface Tension (dyn/cm or mN/m)        | Not Available |
| Lower Explosive Limit (%)                    | Not Available | Volatile Component (%vol)               | Not Available |
| Vapour pressure (kPa)                        | Not Available | Gas group                               | Not Available |
| Solubility in water (g/L)                    | Immiscible    | pH as a solution (1%)                   | Not Available |
| Vapour density (Air = 1)                     | Not Available | VOC g/L                                 | Not Available |

## SECTION 10 STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | See section 7  |
| Chemical stability                 | <ul style="list-style-type: none"> <li>▶ Unstable in the presence of incompatible materials.</li> <li>▶ Product is considered stable.</li> <li>▶ Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of hazardous reactions | See section 7  |
| Conditions to avoid                | See section 7  |
| Incompatible materials             | See section 7  |
| Hazardous decomposition products   | See section 5  |

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

|                                     |   |               |
|-------------------------------------|---|---------------|
| Inhaled                             | <p>The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Headache, fatigue, tiredness, irritability and digestive disturbances (nausea, loss of appetite and bloating) are the most common symptoms of xylene overexposure. Injury to the heart, liver, kidneys and nervous system has also been noted amongst workers. Xylene is a central nervous system depressant</p>                               |               |
| Ingestion                           | <p>Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733)<br/>The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.</p>  |               |
| Skin Contact                        | <p>Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.<br/>There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.<br/>Open cuts, abraded or irritated skin should not be exposed to this material<br/>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.</p> |               |
| Eye                                 | <p>Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).</p>   |               |
| Chronic                             | <p>Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility.<br/>Women exposed to xylene in the first 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to xylene has demonstrated lack of genetic toxicity.</p>  |               |
| Everlife WB (HG)-Safety Blue F52177 | TOXICITY  | IRRITATION    |
|                                     | Not Available   | Not Available |

|   |   |  |                                  |
|---|---|--|----------------------------------|
| titanium dioxide (anatase)                  | TOXICITY  |  | IRRITATION                       |
|   | Inhalation (rat) LC50: >2.28 mg/l/4hr <sup>[1]</sup>  |  | Not Available                    |
|   | Inhalation (rat) LC50: >3.56 mg/l/4hr <sup>[1]</sup>  |  |                                  |
|   | Inhalation (rat) LC50: >6.82 mg/l/4hr <sup>[1]</sup>  |  |                                  |
|   | Inhalation (rat) LC50: 3.43 mg/l/4hr <sup>[1]</sup>   |  |                                  |
|   | Inhalation (rat) LC50: 5.09 mg/l/4hr <sup>[1]</sup>   |  |                                  |
| Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup> |   |  |                                  |
| diethylene glycol monomethyl ether          | TOXICITY  |  | IRRITATION                       |
|   | Dermal (rabbit) LD50: 2525 mg/kg <sup>[2]</sup>       |  | Eye (rabbit): 500 mg moderate    |
|   | Oral (rat) LD50: 4040 mg/kg <sup>[2]</sup>            |  | Eye (rabbit): 500 mg/24h mild    |
| sodium nitrite                              | TOXICITY  |  | IRRITATION                       |
|   | Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup> |  | Eye (rabbit): 500 mg/24hr - mild |
|   | Oral (rat) LD50: 157.9 mg/kg <sup>[2]</sup>           |  |                                  |

**Legend:**

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|   |   |
|---|---|
| <b>TITANIUM DIOXIDE (ANATASE)</b>         | Exposure to titanium dioxide is via inhalation, swallowing or skin contact. When inhaled, it may deposit in lung tissue and lymph nodes causing dysfunction of the lungs and immune system. Absorption by the stomach and intestines depends on the size of the particle.   |
| <b>DIETHYLENE GLYCOL MONOMETHYL ETHER</b> | The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. This category includes diethylene glycol ethyl ether (DGEE), diethylene glycol propyl ether (DGPE) diethylene glycol butyl ether (DGBE) and diethylene glycol hexyl ether (DGHE) and their acetates. Studies show that they can cause kidney and liver damage, skin and eye irritation as well as blood changes but do not cause damage to the reproductive, genetic and developmental abnormalities, sensitisation or respiratory systems. However, DGEE is reported to cause sperm insufficiency. |
| <b>SODIUM NITRITE</b>                     | The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. Tumorigenic - Carcinogenic by RTECS criteria.   |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity                    | ☐ | Carcinogenicity          | ☐ |
| Skin Irritation/Corrosion         | ☐ | Reproductivity           | ✓ |
| Serious Eye Damage/Irritation     | ☐ | STOT - Single Exposure   | ☐ |
| Respiratory or Skin sensitisation | ☐ | STOT - Repeated Exposure | ☐ |
| Mutagenicity                      | ☐ | Aspiration Hazard        | ☐ |

Legend: ✗ - Data available but does not fill the criteria for classification  
 ✓ - Data available to make classification  
 ☐ - Data Not Available to make classification

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

| Ingredient                         | Endpoint | Test Duration (hr) | Species                       | Value          | Source |
|------------------------------------|----------|--------------------|-------------------------------|----------------|--------|
| titanium dioxide (anatase)         | LC50     | 96                 | Fish                          | 9.214mg/L      | 3      |
| titanium dioxide (anatase)         | EC50     | 48                 | Crustacea                     | >10mg/L        | 2      |
| titanium dioxide (anatase)         | EC50     | 72                 | Algae or other aquatic plants | 5.83mg/L       | 4      |
| titanium dioxide (anatase)         | EC20     | 72                 | Algae or other aquatic plants | 1.81mg/L       | 4      |
| titanium dioxide (anatase)         | NOEC     | 336                | Fish                          | 0.089mg/L      | 4      |
| diethylene glycol monomethyl ether | LC50     | 96                 | Fish                          | 4276.836mg/L   | 3      |
| diethylene glycol monomethyl ether | EC50     | 48                 | Crustacea                     | >500mg/L       | 1      |
| diethylene glycol monomethyl ether | EC50     | 72                 | Algae or other aquatic plants | >500mg/L       | 1      |
| diethylene glycol monomethyl ether | EC0      | 48                 | Crustacea                     | =500mg/L       | 1      |
| sodium nitrite                     | LC50     | 96                 | Fish                          | 0.048mg/L      | 4      |
| sodium nitrite                     | EC50     | 48                 | Crustacea                     | ca.12.5100mg/L | 1      |
| sodium nitrite                     | EC50     | 96                 | Algae or other aquatic plants | 12.537mg/L     | 3      |
| sodium nitrite                     | EC50     | 216                | Crustacea                     | 1.8mg/L        | 4      |

Continued...

|                       |   |   |      |          |   |
|-----------------------|---|---|------|----------|---|
| <b>sodium nitrite</b> | NOEC  | 2 | Fish | 0.02mg/L | 4 |
| <b>Legend:</b>        | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data |   |      |          |   |

## For Aromatic Substances Series:

Environmental Fate: Large, molecularly complex polycyclic aromatic hydrocarbons, or PAHs, are persistent in the environment longer than smaller PAHs.

Atmospheric Fate: PAHs are "semi-volatile substances" which can move between the atmosphere and the Earth's surface in repeated, temperature-driven cycles of deposition and volatilization.

Terrestrial Fate: BTEX compounds have the potential to move through soil and contaminate ground water, and their vapors are highly flammable and explosive.

Ecotoxicity - Within an aromatic series, acute toxicity increases with increasing alkyl substitution on the aromatic nucleus. The order of most toxic to least in a study using grass shrimp and brown shrimp was dimethylnaphthalenes > methylnaphthalenes > naphthalenes. Anthracene is a phototoxic PAH. UV light greatly increases the toxicity of anthracene to bluegill sunfish. Biological resources in strong sunlight are at more risk than those that are not. PAHs in general are more frequently associated with chronic risks.

## For Xylenes:

log Koc : 2.05-3.08; Koc : 25.4-204; Half-life (hr) air : 0.24-42; Half-life (hr) H2O surface water : 24-672; Half-life (hr) H2O ground : 336-8640; Half-life (hr) soil : 52-672; Henry's Pa m3/mol : 637-879; Henry's atm m3/mol - 7.68E-03; BOD 5 if unstated - 1.4,1%; COD - 2.56,13% ThOD - 3.125 : BCF : 23; log BCF : 1.17-2.41.

Environmental Fate: Most xylenes released to the environment will occur in the atmosphere and volatilisation is the dominant environmental fate process. Soil - Xylenes are expected to have moderate mobility in soil evaporating rapidly from soil surfaces. The extent of the degradation is expected to depend on its concentration, residence time in the soil, the nature of the soil, and whether resident microbial populations have been acclimated. Xylene can remain below the soil surface for several days and may travel through the soil profile and enter groundwater. Soil and water microbes may transform it into other, less harmful compounds, although this happens slowly. It is not clear how long xylene remains trapped deep underground in soil or groundwater, but it may be months or years.

Atmospheric Fate: Xylene evaporates quickly into the air from surface soil and water and can remain in the air for several days until it is broken down by sunlight into other less harmful chemicals. In the ambient atmosphere, xylenes are expected to exist solely in the vapour phase. Xylenes are degraded in the atmosphere with an estimated atmospheric lifetime of about 0.5 to 2 days. Xylene may contribute to photochemical smog formation. p-Xylene has a moderately high photochemical reactivity under smog conditions, higher than the other xylene isomers. The photooxidation of p-xylene results in the production of carbon monoxide, formaldehyde, glyoxal, methylglyoxal, 3-methylbenzyl nitrate, m-tolualdehyde, 4-nitro-3-xylene, 5-nitro-3-xylene, 2,6-dimethyl-p-benzoquinone, 2,4-dimethylphenol, 6-nitro-2,4-dimethylphenol, 2,6-dimethylphenol, and 4-nitro-2,6-dimethylphenol.

Aquatic Fate: p-xylene may adsorb to suspended solids and sediment in water and is expected to volatilise from water surfaces. Estimated volatilisation half-lives for a model river and model lake are 3 hours and 4 days, respectively. Measurements taken from goldfish, eels and clams indicate that bioconcentration in aquatic organisms is low. Photo-oxidation in the presence of humic acids may play an important role in the abiotic degradation of p-xylene. p-Xylene is biodegradable and has been observed to degrade in pond water however; it is unclear if it degrades in surface waters. p-Xylene has been observed to degrade in anaerobic and aerobic groundwater; however, it is known to persist for many years in groundwater, at least at sites where the concentration might have been quite high. Ecotoxicity: Xylenes are slightly toxic to fathead minnow, rainbow trout and bluegill and not acutely toxic to water fleas. For Photobacterium phosphoreum EC50 (24 h): 0.0084 mg/L. and Gammarus lacustris LC50 (48 h): 0.6 mg/L.

**DO NOT discharge into sewer or waterways.**

## Persistence and degradability

| Ingredient                         | Persistence: Water/Soil | Persistence: Air |
|------------------------------------|-------------------------|------------------|
| titanium dioxide (anatase)         | HIGH                    | HIGH             |
| diethylene glycol monomethyl ether | LOW                     | LOW              |
| sodium nitrite                     | LOW                     | LOW              |

## Bioaccumulative potential

| Ingredient                         | Bioaccumulation       |
|------------------------------------|-----------------------|
| titanium dioxide (anatase)         | LOW (BCF = 10)        |
| diethylene glycol monomethyl ether | LOW (BCF = 0.18)      |
| sodium nitrite                     | LOW (LogKOW = 0.0564) |

## Mobility in soil

| Ingredient                         | Mobility          |
|------------------------------------|-------------------|
| titanium dioxide (anatase)         | LOW (KOC = 23.74) |
| diethylene glycol monomethyl ether | HIGH (KOC = 1)    |
| sodium nitrite                     | LOW (KOC = 23.74) |

## SECTION 13 DISPOSAL CONSIDERATIONS

## Waste treatment methods

|                                     |  |
|-------------------------------------|--|
| <b>Product / Packaging disposal</b> | <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.</p> <p>A Hierarchy of Controls seems to be common - the user should investigate:</p> <ul style="list-style-type: none"> <li>▶ Reduction</li> <li>▶ Reuse</li> <li>▶ Recycling</li> <li>▶ Disposal (if all else fails)</li> </ul> <p>This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.</p> <ul style="list-style-type: none"> <li>▶ <b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>▶ It may be necessary to collect all wash water for treatment before disposal.</li> <li>▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>▶ Where in doubt contact the responsible authority.</li> <li>▶ Recycle wherever possible.</li> <li>▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>▶ Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).</li> </ul> |
|-------------------------------------|--|



► Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

|                  |    |
|------------------|----|
| Marine Pollutant | NO |
|------------------|----|

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### TITANIUM DIOXIDE (ANATASE)(1317-70-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

|   |  |
|---|--|
| US - Alaska Limits for Air Contaminants                               | US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants  |
| US - California Permissible Exposure Limits for Chemical Contaminants | US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants  |
| US - California Proposition 65 - Carcinogens                          | US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants  |
| US - Hawaii Air Contaminant Limits                                    | US - Washington Permissible exposure limits of air contaminants  |
| US - Idaho - Limits for Air Contaminants                              | US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants   |
| US - Massachusetts - Right To Know Listed Chemicals                   | US ACGIH Threshold Limit Values (TLV)  |
| US - Michigan Exposure Limits for Air Contaminants                    | US ACGIH Threshold Limit Values (TLV) - Carcinogens  |
| US - Minnesota Permissible Exposure Limits (PELs)                     | US NIOSH Recommended Exposure Limits (RELs)  |
| US - Oregon Permissible Exposure Limits (Z-1)                         | US OSHA Permissible Exposure Levels (PELs) - Table Z1  |
| US - Pennsylvania - Hazardous Substance List                          | US Priority List for the Development of Proposition 65 Safe Harbor Levels - No Significant Risk Levels (NSRLs) for Carcinogens and Maximum Allowable Dose Levels (MADLs) for Chemicals Causing Reproductive Toxicity |
| US - Rhode Island Hazardous Substance List                            | US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory  |

#### DIETHYLENE GLYCOL MONOMETHYL ETHER(111-77-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

|   |   |
|---|---|
| US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)    | US Clean Air Act - Hazardous Air Pollutants                           |
| US - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs (CRELs) | US EPCRA Section 313 Chemical List                                    |
| US - Massachusetts - Right To Know Listed Chemicals                                     | US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory |
| US - Pennsylvania - Hazardous Substance List  |   |

#### SODIUM NITRITE(7632-00-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

|   |   |
|---|---|
| US - Massachusetts - Right To Know Listed Chemicals     | US EPCRA Section 313 Chemical List                                    |
| US - Pennsylvania - Hazardous Substance List            | US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory |
| US CWA (Clean Water Act) - List of Hazardous Substances |   |

### Federal Regulations

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SECTION 311/312 HAZARD CATEGORIES

|                                 |     |
|---------------------------------|-----|
| Immediate (acute) health hazard | No  |
| Delayed (chronic) health hazard | Yes |
| Fire hazard                     | No  |
| Pressure hazard                 | No  |
| Reactivity hazard               | No  |

#### US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

| Name           | Reportable Quantity in Pounds (lb) | Reportable Quantity in kg |
|----------------|------------------------------------|---------------------------|
| Sodium nitrite | 100                                | 45.4                      |

### State Regulations

#### US. CALIFORNIA PROPOSITION 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

#### US - CALIFORNIA PREPOSITION 65 - CARCINOGENS & REPRODUCTIVE TOXICITY (CRT): LISTED SUBSTANCE

Titanium dioxide (airborne, unbound particles of respirable size) Listed

| National Inventory | Status |
|--------------------|--------|
| Australia - AICS   | Y      |
| Canada - DSL       | Y      |

|                               |  |
|-------------------------------|--|
| Canada - NDSL                 | N (diethylene glycol monomethyl ether; sodium nitrite)   |
| China - IECSC                 | Y  |
| Europe - EINEC / ELINCS / NLP | Y  |
| Japan - ENCS                  | Y  |
| Korea - KECI                  | Y  |
| New Zealand - NZIoC           | Y  |
| Philippines - PICCS           | Y  |
| USA - TSCA                    | Y  |
| <b>Legend:</b>                | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

## SECTION 16 OTHER INFORMATION

### CONTACT POINT

\*\*PLEASE NOTE THAT TITANIUM DIOXIDE IS NOT PRESENT IN CLEAR OR NEUTRAL BASES\*\*

### Other information

#### Ingredients with multiple cas numbers

| Name                       | CAS No                |
|----------------------------|-----------------------|
| titanium dioxide (anatase) | 1317-70-0, 13463-67-7 |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC— TWA: Permissible Concentration-Time Weighted Average  
 PC—STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit,  
 IDLH: Immediately Dangerous to Life or Health Concentrations  
 OSF: Odour Safety Factor  
 NOAEL :No Observed Adverse Effect Level  
 LOAEL: Lowest Observed Adverse Effect Level  
 TLV: Threshold Limit Value  
 LOD: Limit Of Detection  
 OTV: Odour Threshold Value  
 BCF: BioConcentration Factors  
 BEI: Biological Exposure Index

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH.

TEL (+61 3) 9572 4700.