

# Everlife WB (HG)-Ocean Blue F52139

#### Not Available

Version No: **3.5**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)-Ocean Blue F52139
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	Not Available
Address	Not Available
Telephone	Not Available
Fax	Not Available
Website	Not Available
Email	Not Available

#### **Emergency phone number**

Emergency phone number	
Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

#### **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)

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.

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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		titanium dioxide (anatase)
111-77-3	1-10	diethylene glycol monomethyl ether
7632-00-0	<1	sodium nitrite
1333-86-4	<1	carbon black

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

Eye Contact	If this product comes in contact with eyes:  Wash out immediately with water.  If irritation continues, seek medical attention.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs:  Immediately remove all contaminated clothing, including footwear.  Flush skin and hair with running water (and soap if available).  Seek medical attention in event of irritation.
Inhalation	<ul> <li>If furnes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <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>If swallowed do NOT induce vomiting.</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 (pO2 < 50 mm Hg or pCO2 > 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):

DeterminantIndexSampling TimeCommentsMethylhippu-ric acids in urine1.5 gm/gm creatinineEnd of shift2 mg/minLast 4 hrs of shift

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#### **Extinguishing media**

- ► Foam.
- ► Dry chemical powder.
- ► BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

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

Fire Incompatibility

▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

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

special protective equipment and precautions for fire-righters							
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>Avoid spraying water onto liquid pools.</li> <li>DO NOT 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> </ul>						
Fire/Explosion Hazard	<ul> <li>▶ Combustible.</li> <li>▶ Slight fire hazard when exposed to heat or flame.</li> <li>▶ Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>▶ On combustion, may emit toxic fumes of carbon monoxide (CO).</li> <li>▶ May emit acrid smoke.</li> <li>▶ Mists containing combustible materials may be explosive.</li> <li>Combustion products include:</li> <li>carbon dioxide (CO2)</li> <li>other pyrolysis products typical of burning organic material.</li> <li>May emit poisonous fumes.</li> <li>May emit corrosive fumes.</li> </ul>						

#### **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

Minor Spills	<ul> <li>Remove all ignition sources.</li> <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>
Major Spills	Moderate hazard.  Clear area of personnel and move upwind.  Alert Fire Brigade and tell them location and nature of hazard.  Wear breathing apparatus plus protective gloves.  Prevent, by any means available, spillage from entering drains or water course.  No smoking, naked lights or ignition sources.  Increase ventilation.  Stop leak if safe to do so.  Contain spill with sand, earth or vermiculite.  Collect recoverable product into labelled containers for recycling.  Absorb remaining product with sand, earth or vermiculite.  Collect solid residues and seal in labelled drums for disposal.  Wash area and prevent runoff into drains.  If contamination of drains or waterways occurs, advise emergency services.

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

# **SECTION 7 HANDLING AND STORAGE**

#### Precautions for safe handling

۰	Electrost	tatic	dis	char	ge r	nay	/ be	ge	nerated	during	pum	ping	-	thi	s n	nay	result ir	ı fire.

- ▶ Ensure electrical continuity by bonding and grounding (earthing) all equipment.
- Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<=1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec).

## Avoid splash filling.

#### Safe handling

- ▶ Do NOT use compressed air for filling discharging or handling operations.
- ► Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- ► Prevent concentration in hollows and sumps.
- ► DO NOT enter confined spaces until atmosphere has been checked.

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▶ Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials When handling, **DO NOT** eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions. ► DO NOT allow clothing wet with material to stay in contact with skin Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Other information Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

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

#### ▶ Metal can or drum Suitable container Packaging as recommended by manufacturer. ▶ Check all containers are clearly labelled and free from leaks. ▶ may ignite or explode in contact with strong oxidisers, 1,3-dichloro-5,5-dimethylhydantoin, uranium fluoride ▶ attack some plastics, rubber and coatings may generate electrostatic charges on flow or agitation due to low conductivity. Vigorous reactions, sometimes amounting to explosions, can result from the contact between aromatic rings and strong oxidising agents. ▶ Aromatics can react exothermically with bases and with diazo compounds. For alkyl aromatics: 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. 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 Storage incompatibility 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 Monoalkylbenzenes may subsequently form monocarboxylic acids; alkyl naphthalenes mainly produce the corresponding naphthalene carboxylic acids. Oxidation in the presence of transition metal salts not only accelerates but also selectively decomposes the hydroperoxides Hock-rearrangement by the influence of strong acids converts the hydroperoxides to hemiacetals. Peresters formed from the hydroperoxides undergo

Oxidation of Alkylaromatics: T.S.S Rao and Shubhra Awasthi: E-Journal of Chemistry Vol 4, No. 1, pp 1-13 January 2007

▶ Photo-oxidation products may occur following reaction with hydroxyl radicals and NOx - these may be components of photochemical smogs.

Alkali metals accelerate the oxidation while CO2 as co-oxidant enhances the selectivity.

Microwave conditions give improved yields of the oxidation products.

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Criegee rearrangement easily.

# 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/m3	Not Available	Not Available	Total dust
US ACGIH Threshold Limit Values (TLV)	titanium dioxide (anatase)	Titanium dioxide	10 mg/m3	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
US OSHA Permissible Exposure Levels (PELs) - Table Z1	carbon black	Carbon black	3.5 mg/m3	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	carbon black	Carbon black	3 mg/m3	Not Available	Not Available	TLV® Basis: Bronchitis
US NIOSH Recommended Exposure Limits (RELs)	carbon black	Acetylene black, Channel black, Furnace black, Lamp black, Thermal black	3.5 mg/m3	Not Available	Not Available	Ca See Appendix A See Appendix C

#### EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
titanium dioxide (anatase)	Titanium oxide; (Titanium dioxide)	30 mg/m3	330 mg/m3	2,000 mg/m3
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/m3	71 mg/m3	240 mg/m3
carbon black	Carbon black	9 mg/m3	99 mg/m3	590 mg/m3
		·		
Ingredient	Original IDLH	Revised IDLH		
titanium dioxide (anatase)	N.E. mg/m3 / N.E. ppm	5,000 mg/m3		

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diethylene glycol monomethyl ether	Not Available	Not Available
sodium nitrite	Not Available	Not Available
carbon black	N.E. ma/m3 / N.E. nom	1.750 mg/m3

#### **Exposure controls**

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.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

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.

Employers may need to use multiple types of controls to prevent employee overexposure.

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.

# Type of Contaminant: solvent, vapours, degreasing etc., evaporating from tank (in still air) aerosols, furnes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid furnes, pickling (released at low velocity into zone of active generation) direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion) grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion). Air Speed: 0.25-0.5 m/s (50-100 f/min) 1.2.5 m/s (200-500 f/min) 1-2.5 m/s (200-500 f/min)

# Appropriate engineering controls

Within each range the appropriate value depends on:

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	

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.

# Personal protection







# Eye and face protection

Safety glasses with side shields.

► Chemical goggles

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]

#### Skin protection

See Hand protection below

- ▶ Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

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.

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.

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.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:

#### Hands/feet protection

- frequency and duration of contact,
- chemical resistance of glove material,
- glove thickness and
- dexterity

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

- 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.
- 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.
- EN 3/4, AS/NZS 2161.10.1 or national equivalent) is recommended.

  Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.
- Contaminated gloves should be replaced.

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For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended. 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. 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. Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example: 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. 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 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. **Body protection** See Other protection below Overalls. P.V.C. apron. Other protection Barrier cream. Skin cleansing cream. Eye wash unit. Thermal hazards Not Available

#### Respiratory protection

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate. Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class 1	-
up to 50	1000	-	A-AUS / Class 1
up to 50	5000	Airline *	-
up to 100	5000	-	A-2
up to 100	10000	-	A-3
100+		-	Airline**

<sup>\* -</sup> Continuous Flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gases, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 deg C)

#### **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> <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		

<sup>\*\* -</sup> Continuous-flow or positive pressure demand.

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Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# **SECTION 11 TOXICOLOGICAL INFORMATION**

Inhabed Members in ort thought to produce adverse health effects or initiation of the respiration y fact (as dealerable y EC Directives using a arrisant models). Nevertheless, good higher persistic requires that exposure be less for an arrivation of the stability of the stability and dispetitive distributions (nature). Loss of appetitive and bloading) are the most common symptoms of xylene overested and sociating are the most common symptoms of xylene overested and sociating are the most common symptoms of xylene overested and sociating are the most common symptoms of xylene overested and sociating are the most common symptoms of xylene overested and sociating are the most common symptoms of xylene overested and sociation are sociation and and are sociation and and are sociation and and are sociation and and are sociation and ar	Information on toxicologic	cal effects			
The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or humans evidence.  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 vounds, lesions or abrasions.  There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or initiated shin should not be exposed to this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or initiated shin should not be exposed to this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or initiated shin should not be exposed to this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or initiated shin should not be exposed to the material directives, of the contact with the eye may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external exposed in the size of the material directly reduces fertility.  Chronic  Chronic  Everlife WB (HG)-Ocean Blue F52139  TOXICITY INTRITATION  Not Available  TOXICITY Inhalation (rat) LC50: >2.28 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: >2.28 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: >8.82 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$8.82 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$8.82 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.82 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.82 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.90 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>11</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>12</sup> Eye (rabbit): 500 mg/Whr - mild  TOXICITY Intrinsication (rat) LC50: \$9.00 mg/Whrl <sup>12</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>12</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>12</sup> Inhalation (rat) LC50: \$9.00 mg/Whrl <sup>12</sup> Eye (rabbit): 500 mg/Whr - mild	Inhaled	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.			
through wounds, lesions or abrasions.  Skin Contact  There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. Open cust, shraded or initiated skin should not be exposed to this material can cause inflammation of the skin on contact in some persons. Open cust, shraded or initiated skin should not be exposed to this material through the liquid is not thought to be an initiant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).  Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility. Women exposed to sylene in the first 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene has demonstrated lack of genetic toxicity.  Everlife WB (HG)-Ocean Blue F52139  TOXICITY  Inhalation (rat) LC50: >2.28 mg/l/4hr <sup>[1]</sup> Inhalation (rat) LC50: >3.43 mg/l/4hr <sup>[1]</sup> Inhalation (rat) LC50: >3.43 mg/l/4hr <sup>[1]</sup> Inhalation (rat) LC50: >5.99 mg/l/4hr <sup>[1]</sup> Inhalation (rat) LC50: >2.00 mg/kg <sup>[2]</sup> TOXICITY  IRRITATION  diethylene glycol monomethyl ether  TOXICITY  IRRITATION  Demail (rabbit) LD50: 2525 mg/kg <sup>[2]</sup> Draw (rabbit) LD50: 2525 mg/kg <sup>[2]</sup> Draw (rabbit) LD50: 350 mg/l/4hr <sup>[1]</sup> Eye (rabbit): 500 mg/l/4hr mild  TOXICITY  Inhalation (rat) LC50: 0.0055 mg/l/4hr <sup>[2]</sup> Eye (rabbit): 500 mg/l/4hr mild  Fye (rabbit): 500 mg/l/4hr mild	Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating		
by tearing or conjunctival rechess (as with windburn).  Ample evidence from experiments exists that there is a suspicion this material directly reduces fentility.  Women exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed to sylene in the filet 3 months of pregnancy showed a slightly increased risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of workers chronically exposed risk of miscarriage and birth defects. Evaluation of	Skin Contact	through wounds, lesions or abrasions.  There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.  Open cuts, abraded or irritated skin should not be exposed to this material  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			
Chronic 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.  Everlife WB (HG)-Ocean Blue F52139  TOXICITY IRRITATION Not Available  TOXICITY Inhalation (rat) LC50: >2.28 mg/V4hr <sup>{1</sup> ] Inhalation (rat) LC50: >3.56 mg/V4hr <sup>{1}]</sup> Inhalation (rat) LC50: >3.56 mg/V4hr <sup>{1}]</sup> Inhalation (rat) LC50: >3.43 mg/V4hr <sup>{1}]</sup> Inhalation (rat) LC50: >5.09 mg/V4hr <sup>{1}]</sup> Oral (rat) LD50: >2000 mg/kg <sup>{1}]</sup> TOXICITY IRRITATION  diethylene glycol monomethyl ether  TOXICITY IRRITATION  IRRITATION  IRRITATION  IRRITATION  Dermal (rabbit) LD50: 2525 mg/kg <sup>{2}</sup> Oral (rat) LD50: 4040 mg/kg <sup>{2}</sup> Eye (rabbit): 500 mg moderate  TOXICITY IRRITATION  IRRITATION  Eye (rabbit): 500 mg/24hr mild  TOXICITY IRRITATION  IRRITATION  Eye (rabbit): 500 mg/24hr - mild	Eye	, , ,	s), direct contact with the eye may	produce transient discomfort characterised	
Not Available   Not Available   Not Available	Chronic	Women exposed to xylene in the first 3 months of pregnancy showed a slightly		irth defects. Evaluation of workers chronically	
Not Available   Not Available   Not Available					
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: 5.99 mg/l/4hr <sup>[1]</sup>   Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>   TOXICITY   IRRITATION   IRRITATION   Dermal (rabbit) LD50: 2525 mg/kg <sup>[2]</sup>   Eye (rabbit): 500 mg/moderate   Eye (rabbit): 500 mg/24h mild   TOXICITY   IRRITATION   IRRITAT		TOXICITY IRRITATION			
Inhalation (rat) LC50: >2.28 mg/V4hr <sup>[1]</sup>   Not Available	Blue F52139	Not Available	Not Available		
Inhalation (rat) LC50: >2.28 mg/V4hr <sup>[1]</sup>   Not Available		TOXICITY		IRRITATION	
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: 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>   TOXICITY   IRRITATION   Eye (rabbit): 500 mg moderate   Oral (rat) LD50: 4040 mg/kg <sup>[2]</sup>   Eye (rabbit): 500 mg/24h mild   TOXICITY   Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup>   Eye (rabbit): 500 mg/24hr - mild   Eye (rabbit): 500 mg/24hr - mil					
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>   IRRITATION	titanium diovida (anatasa)				
Inhalation (rat) LC50: 5.09 mg/l/4hr <sup>[1]</sup>   Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>   IRRITATION	iliamum dioxide (anatase)				
Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>   IRRITATION					
diethylene glycol monomethyl ether    Dermal (rabbit) LD50: 2525 mg/kg <sup>[2]</sup>   Eye (rabbit): 500 mg moderate					
diethylene glycol monomethyl ether     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       TOXICITY     IRRITATION       Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup> Eye (rabbit): 500 mg/24hr - mild		Oral (lat) ED30. >2000 Hig/kg			
Dermai (rabbit) LD50: 2525 mg/kg <sup>1-2</sup>   Eye (rabbit): 500 mg/24h mild		TOXICITY	IRRITATION		
Oral (rat) LD50: 4040 mg/kg <sup>[2]</sup> Eye (rabbit): 500 mg/24h mild           TOXICITY         IRRITATION           Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup> Eye (rabbit): 500 mg/24hr - mild		Dermal (rabbit) LD50: 2525 mg/kg <sup>[2]</sup> Eye (rabbit): 500 mg m		oderate	
sodium nitrite Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup> Eye (rabbit): 500 mg/24hr - mild	monometnyi etner	Oral (rat) LD50: 4040 mg/kg <sup>[2]</sup>	Eye (rabbit): 500 mg/24h	mild	
sodium nitrite Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup> Eye (rabbit): 500 mg/24hr - mild					
			IRRITATION		
Oral (rat) LD50: 157.9 mg/kg <sup>[2]</sup>	sodium nitrite	Inhalation (rat) LC50: 0.0055 mg/L/4hr <sup>[2]</sup>	Eye (rabbit): 500 mg/24	hr - mild	
		Oral (rat) LD50: 157.9 mg/kg <sup>[2]</sup>			

	TOXICITY	IRRITATION
carbon black	Dermal (rabbit) LD50: >3000 mg/kg <sup>[2]</sup>	Not Available
	Oral (rat) LD50: >8000 mg/kg <sup>[1]</sup>	

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 Legend:

TITANIUM DIOXIDE (ANATASE)	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.
DIETHYLENE GLYCOL MONOMETHYL ETHER	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.
SODIUM NITRITE	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

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# Everlife WB (HG)-Ocean Blue F52139

Print Date: 03/30/2017

**CARBON BLACK** 

No significant acute toxicological data identified in literature search.

WARNING: This substance has been classified by the IARC as Group 2B; Possibly Carcinogenic to Humans. Inhalation (rat) TCLo: 50 mg/m3/6h/90D-I Nil reported

Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	✓
Serious Eye Damage/Irritation	0	STOT - Single Exposure	0
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	0

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
sodium nitrite	NOEC	2	Fish	0.02mg/L	4
carbon black	LC50	96	Fish	=1000mg/L	1
carbon black	EC50	24	Crustacea	>5600mg/L	1
carbon black	NOEC	96	Fish	=1000mg/L	1

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 > naphthalene 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, methylolyoxal, 3-methylbenzylnitrate, 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

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#### Everlife WB (HG)-Ocean Blue F52139

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

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.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- ▶ Reuse
- Recycling
- ► Disposal (if all else fails)

#### Product / Packaging disposal

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.

- ▶ DO NOT allow wash water from cleaning or process equipment to enter drains
- It may be necessary to collect all wash water for treatment before disposal.
- ▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- Where in doubt contact the responsible authority.
- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Authority for disposal.
- Bury or incinerate residue at an approved site.
- ▶ Recycle containers if possible, or dispose of in an authorised landfill.

# **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

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# Everlife WB (HG)-Ocean Blue F52139

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
US - Hawaii Air Contaminant Limits	Contaminants
US - Idaho - Limits for Air Contaminants	US - Washington Permissible exposure limits of air contaminants
US - Massachusetts - Right To Know Listed Chemicals	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Minnesota Permissible Exposure Limits (PELs)	US ACGIH Threshold Limit Values (TLV) - Carcinogens
US - Oregon Permissible Exposure Limits (Z-1)	US NIOSH Recommended Exposure Limits (RELs)
US - Pennsylvania - Hazardous Substance List	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Rhode Island 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 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 - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs

(CRELs) US - Massachusetts - Right To Know Listed Chemicals

US - Pennsylvania - Hazardous Substance List

US Clean Air Act - Hazardous Air Pollutants

US EPCRA Section 313 Chemical List

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

#### 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	

#### CARBON BLACK(1333-86-4) 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
US - Hawaii Air Contaminant Limits	Contaminants
US - Idaho - Limits for Air Contaminants	US - Washington Permissible exposure limits of air contaminants
US - Massachusetts - Right To Know Listed Chemicals	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Minnesota Permissible Exposure Limits (PELs)	US ACGIH Threshold Limit Values (TLV) - Carcinogens
US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL):	US NIOSH Recommended Exposure Limits (RELs)
Carcinogens	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Oregon Permissible Exposure Limits (Z-1)	US Priority List for the Development of Proposition 65 Safe Harbor Levels - No Significant Risk
US - Pennsylvania - Hazardous Substance List	Levels (NSRLs) for Carcinogens and Maximum Allowable Dose Levels (MADLs) for
US - Rhode Island Hazardous Substance List	Chemicals Causing Reproductive Toxicity
	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

#### **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), Carbon black (airborne, unbound particles of respirable size) Listed

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Υ
Canada - NDSL	N (diethylene glycol monomethyl ether; sodium nitrite; carbon black)
China - IECSC	Υ
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	Υ
Korea - KECI	Υ

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# Everlife WB (HG)-Ocean Blue F52139

New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory 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**

 ${\sf PC-TWA: Permissible \ Concentration-Time \ Weighted \ Average}$ 

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 $_{\circ}$ 

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

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