

# Fiberlock Lag-Kote II White 6420

# **ICP Building Solutions Group**

Version No: 8.10 Safety Data Sheet according to OSHA HazCom Standard (2012) requirements Issue Date: 01/22/2020 Print Date: 01/22/2020 S.GHS.USA.EN

### **SECTION 1 IDENTIFICATION**

#### **Product Identifier**

| Product name                  | Fiberlock Lag-Kote II White 6420 |
|-------------------------------|----------------------------------|
| Synonyms                      | Not Available                    |
| Other means of identification | Not Available                    |

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

Relevant identified uses Asbestos Encapsulant

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

| Registered company name | ICP Building Solutions Group              |
|-------------------------|---|
| Address                 | 150 Dascomb Road Andover MA United States |
| Telephone               | 1-978-623-9980                            |
| Fax                     | Not Available                             |
| Website                 | http://www.icpgroup.com                   |
| Email                   | Not Available                             |

### **Emergency phone number**

| Association / Organisation        | ChemTel       |
|-----------------------------------|---------------|
| Emergency telephone numbers       | 800-255-3924  |
| Other emergency telephone numbers | Not Available |

#### **SECTION 2 HAZARD(S) IDENTIFICATION**

# Classification of the substance or mixture

#### NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Eye Irritation Category 2A, Specific target organ toxicity - repeated exposure Category 2, Acute Aquatic Hazard Category 3, Skin Corrosion/Irritation Category 2, Carcinogenicity Category 1A, Skin Sensitizer Category 1, Germ cell mutagenicity Category 2, Chronic Aquatic Hazard Category 3

### Label elements

Hazard pictogram(s)





SIGNAL WORD

| Hazara statement(s) |  |
|---------------------|--|
| H319                | Causes serious eye irritation.                                     |
| H373                | May cause damage to organs through prolonged or repeated exposure. |
| H315                | Causes skin irritation.  |
| H350                | May cause cancer.  |

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| H317 | May cause an allergic skin reaction.               |
|------|--|
| H341 | Suspected of causing genetic defects.              |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Hazard(s) not otherwise classified

Not Applicable

### Precautionary statement(s) General

| P101 | If medical advice is needed, have product container or label at hand. |  |
|------|---|--|
| P102 | Keep out of reach of children.  |  |

### Precautionary statement(s) Prevention

| P201 | Obtain special instructions before use. |  |
|------|---|--|
| P260 | Do not breathe mist/vapours/spray.      |  |

### Precautionary statement(s) Response

| P308+P313 | IF exposed or concerned: Get medical advice/attention. |  |
|-----------|--|--|
| P321      | Specific treatment (see advice on this label).         |  |

### Precautionary statement(s) Storage

P405 Store locked up.

### Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

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

#### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No     | %[weight] | Name  |
|------------|-----------|---|
| 57-55-6    | 1-5       | propylene glycol                                |
| 1897-45-6  | <1        | chlorothalonil                                  |
| 124-68-5   | .5-5      | <u>monoisobutanolamine</u>                      |
| 13463-67-7 | 5-15      | titanium dioxide                                |
| 1332-58-7  | 10-15     | kaolin  |
| 25265-77-4 | .5-5      | 2.2.4-trimethyl-1.3-pentanediol monoisobutyrate |
| 1314-13-2  | 1-5       | <u>zinc oxide</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

| Eye Contact  | If this product comes in contact with the eyes:  Wash out immediately with fresh running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Seek medical attention without delay; if pain persists or recurs 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 fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>   |
| Ingestion    | <ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</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.

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# **SECTION 5 FIRE-FIGHTING MEASURES**

#### **Extinguishing media**

- ► Foam.
- ► Dry chemical powder.

### 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 |  |
| 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> </ul>  |
| Fire/Explosion Hazard  | <ul> <li>▶ Combustible.</li> <li>▶ Slight fire hazard when exposed to heat or flame.</li> <li>Combustion products include:</li> <li>carbon dioxide (CO2)</li> <li>other pyrolysis products typical of burning organic material.</li> </ul> |

# SECTION 6 ACCIDENTAL RELEASE MEASURES

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

May emit poisonous fumes. May emit corrosive fumes.

See section 8

### **Environmental precautions**

See section 12

# Methods and material for containment and cleaning up

| Minor Spills | Environmental hazard - contain spillage.  Remove all ignition sources.  Clean up all spills immediately. |
|--------------|--|
| Major Spills | Environmental hazard - contain spillage.  Moderate hazard.  Clear area of personnel and move upwind.     |

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

# SECTION 7 HANDLING AND STORAGE

| Precautions for safe handling |   |  |  |
|-------------------------------|---|--|--|
| Safe handling                 | <ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> </ul> |  |  |
| Other information             | <ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> </ul>   |  |  |

### Conditions for safe storage, including any incompatibilities

| Suitable container      | Metal can or drum     Packaging as recommended by manufacturer.     Check all containers are clearly labelled and free from leaks.   |
|-------------------------|--|
| Storage incompatibility | Titanium dioxide  reacts with strong acids, strong oxidisers reacts violently with aluminium, calcium, hydrazine, lithium (at around 200 deg C.), magnesium, potassium, sodium, zinc, especially at elevated temperatures - these reactions involves reduction of the oxide and are accompanied by incandescence dust or powders can ignite and then explode in a carbon dioxide atmosphere Avoid reaction with oxidising agents |

# **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

# Control parameters

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

### INGREDIENT DATA

| Source                                      | Ingredient          | Material name                             | TWA           | STEL             | Peak             | Notes             |
|---|---------------------|---|---------------|------------------|------------------|-------------------|
| US NIOSH Recommended Exposure Limits (RELs) | titanium<br>dioxide | Rutile, Titanium oxide, Titanium peroxide | Not Available | Not<br>Available | Not<br>Available | Ca See Appendix A |

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| LIC ACCULTION of all Limit                               |                     | 1  |                               | Net               | l NI-4            | 1                             |
|--|---------------------|--|-------------------------------|-------------------|-------------------|-------------------------------|
| US ACGIH Threshold Limit<br>Values (TLV)                 | titanium<br>dioxide | Titanium dioxide   | 10 mg/m3                      | Not<br>Available  | Not<br>Available  | TLV® Basis: LRT irr           |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | titanium<br>dioxide | Titanium dioxide: Total dust   | 15 mg/m3                      | Not<br>Available  | Not<br>Available  | Not Available                 |
| US NIOSH Recommended Exposure Limits (RELs)              | kaolin              | China clay, Clay, Hydrated aluminum silicate,<br>Hydrite, Porcelain clay [Note: Main constituent of<br>Kaolin is Kaolinite (Al2Si2O5(OH)4).] | 10 (total), 5<br>(resp) mg/m3 | Not<br>Available  | Not<br>Available  | Not Available                 |
| US ACGIH Threshold Limit Values (TLV)                    | kaolin              | Kaolin   | 2 mg/m3                       | Not<br>Available  | Not<br>Available  | TLV® Basis:<br>Pneumoconiosis |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | kaolin              | Kaolin: Respirable fraction  | 5 mg/m3                       | Not<br>Available  | Not<br>Available  | Not Available                 |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | kaolin              | Kaolin: Total dust   | 15 mg/m3                      | Not<br>Available  | Not<br>Available  | Not Available                 |
| US NIOSH Recommended Exposure Limits (RELs)              | zinc oxide          | Zinc peroxide  | Dust: 5<br>,Fume: 5<br>mg/m3  | Fume: 10<br>mg/m3 | Dust: 15<br>mg/m3 | Not Available                 |
| US ACGIH Threshold Limit<br>Values (TLV)                 | zinc oxide          | Zinc oxide   | 2 mg/m3                       | 10 mg/m3          | Not<br>Available  | TLV® Basis: Metal fume fever  |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | zinc oxide          | Zinc oxide fume  | 5 mg/m3                       | Not<br>Available  | Not<br>Available  | Not Available                 |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | zinc oxide          | Zinc oxide: Total dust   | 15 mg/m3                      | Not<br>Available  | Not<br>Available  | Not Available                 |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | zinc oxide          | Zinc oxide: Respirable fraction  | 5 mg/m3                       | Not<br>Available  | Not<br>Available  | Not Available                 |

### **EMERGENCY LIMITS**

| Ingredient                                      | Material name  | TEEL-1     | TEEL-2      | TEEL-3      |
|---|--|------------|-------------|-------------|
| propylene glycol                                | Polypropylene glycols  | 30 mg/m3   | 330 mg/m3   | 2,000 mg/m3 |
| propylene glycol                                | Propylene glycol; (1,2-Propanediol)                          | 30 mg/m3   | 1,300 mg/m3 | 7,900 mg/m3 |
| chlorothalonil                                  | Chlorothalonil; (Tetrachloroisophthalonitrile)               | 0.13 mg/m3 | 1.4 mg/m3   | 8.6 mg/m3   |
| monoisobutanolamine                             | Isobutanol-2-amine   | 17 mg/m3   | 190 mg/m3   | 570 mg/m3   |
| titanium dioxide                                | Titanium oxide; (Titanium dioxide)                           | 30 mg/m3   | 330 mg/m3   | 2,000 mg/m3 |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol) | 13 mg/m3   | 140 mg/m3   | 840 mg/m3   |
| zinc oxide                                      | Zinc oxide   | 10 mg/m3   | 15 mg/m3    | 2,500 mg/m3 |

| Ingredient                                      | Original IDLH | Revised IDLH  |
|---|---------------|---------------|
| propylene glycol                                | Not Available | Not Available |
| chlorothalonil                                  | Not Available | Not Available |
| monoisobutanolamine                             | Not Available | Not Available |
| titanium dioxide                                | 5,000 mg/m3   | Not Available |
| kaolin  | Not Available | Not Available |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | Not Available | Not Available |
| zinc oxide                                      | 500 mg/m3     | Not Available |

# OCCUPATIONAL EXPOSURE BANDING

| OCCUPATIONAL EXILOGORE BA   |                                   |                                  |
|---|-----------------------------------|----------------------------------|
| Ingredient  | Occupational Exposure Band Rating | Occupational Exposure Band Limit |
| propylene glycol  | E                                 | ≤ 0.1 ppm                        |
| chlorothalonil  | E                                 | ≤ 0.01 mg/m³                     |
| monoisobutanolamine   | E                                 | ≤ 0.01 mg/m³                     |
| Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potent adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corrange of exposure concentrations that are expected to protect worker health. |                                   |                                  |

# Exposure controls

| Exposure controls  |   |  |  |  |
|--|---|--|--|--|
| Appropriate engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection |   |  |  |  |
| Personal protection  |   |  |  |  |
| Eye and face protection  | <ul><li>Safety glasses with side shields.</li><li>Chemical goggles.</li></ul> |  |  |  |
| Skin protection  | See Hand protection below   |  |  |  |

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| Hands/feet protection | <ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>NOTE:</li> <li>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>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.</li> </ul> |
|-----------------------|---|
| Body protection       | See Other protection below  |
| Other protection      | ► Overalls. ► P.V.C.  |

#### Respiratory protection

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

- ▶ Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- For 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.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

### **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)                             | 8.5           | 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                          | 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> </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

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.

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| Ingestion  | Ingestion of propylene glycol produced reversible central nervous system depression in humans following ingestion of 60 ml. Symptoms included increased heart-rate (tachycardia), excessive sweating (diaphoresis) and grand mal seizures in a 15 month child who ingested large doses (7.5 ml/day for 8 days) as an ingredient of vitamin preparation.  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 human evidence.  |   |  |  |  |
|--|---|---|--|--|--|
| Skin Contact   | This material can cause inflammation of the skin on contact in some persons.  The material may accentuate any pre-existing dermatitis condition  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.  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 of the material and ensure that any external damage is suitably protected.   |   |  |  |  |
| Eye  | This material can cause eye irritation and damage in some perso   | ons.  |  |  |  |
| Chronic  | Studies show that inhaling this substance for over a long period (e.g. in an occupational setting) may increase the risk of cancer.  Strong evidence exists that this substance may cause irreversible mutations (though not lethal) even following a single exposure.  Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.  Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.  This material can cause serious damage if one is exposed to it for long periods. It can be assumed that it contains a substance which can produce severe defects.  Chronic dust inhalation of kaolin, can cause kaolinosis from kaolin deposition in the lungs causing distinct lung markings, abnormal inflation of air sacs, and chronic lung diseases (nodular pneumoconiosis). This condition is made worse by long duration of occupational exposure and pre-existing chest infection. Pre-employment screening is recommended.  Propylene glycol is thought to be sensitizing following the regular use of topical creams by eczema patients. Testing in humans showed that 16% of exposed individuals, irritation occurred, with 12.5% showing toxic or allergic reactions. |   |  |  |  |
| Ethania I I an Kata II Millita   | TOXICITY  | IRRITATION  |  |  |  |
| Fiberlock Lag-Kote II White<br>6420  | Not Available   | Not Available   |  |  |  |
| Dermal (rabbit) LD50: 11890 mg/kg <sup>[2]</sup>     Inhalation (rat) LC50: >44.9 mg/l/4H <sup>[2]</sup>     Oral (rat) LD50: 20000 mg/kg <sup>[2]</sup> |   | IRRITATION  Eye (rabbit): 100 mg - mild  Eye (rabbit): 500 mg/24h - mild  Eye: no adverse effect observed (not irritating) <sup>[1]</sup> Skin(human):104 mg/3d Intermit Mod  Skin(human):500 mg/7days mild  Skin: no adverse effect observed (not irritating) <sup>[1]</sup> |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
|  | dermal (rat) LD50: >2500 mg/kg <sup>[2]</sup>   | Not Available   |  |  |  |
| chlorothalonil   | Inhalation (rat) LC50: 0.0775 mg/l/1h <sup>[2]</sup> Oral (rat) LD50: >5000 mg/kg <sup>[2]</sup>  |   |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
| monoisobutanolamine  | Dermal (rabbit) LD50: >2000 mg/kg <sup>[2]</sup>  | Not Available   |  |  |  |
|  | Oral (rat) LD50: 2900 mg/kg <sup>[2]</sup>  |   |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
|  | dermal (hamster) LD50: >=10000 mg/kg <sup>[2]</sup>   | Eye: no adverse effect observed (not irritating) <sup>[1]</sup>   |  |  |  |
| titanium dioxide   | Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>   | Skin (human): 0.3 mg /3D (int)-mild *   |  |  |  |
|  |   | Skin: no adverse effect observed (not irritating) <sup>[1]</sup>  |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
| kaolin   | Not Available   | Not Available   |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
|  | Dermal (rabbit) LD50: >15200 mg/kg <sup>[2]</sup>   | Eye: no adverse effect observed (not irritating) <sup>[1]</sup>   |  |  |  |
| 2,2,4-trimethyl-1,3-pentanediol  | Inhalation (rat) LC50: >5.325 mg/l/6h <sup>[2]</sup>  | Eyes - Moderate irritant *  |  |  |  |
| monoisobutyrate  | Oral (rat) LD50: 3200 mg/kg <sup>[2]</sup>  | Skin - Slight irritant *  |  |  |  |
|  |   | Skin (rabbit): mild ***   |  |  |  |
|  |   | Skin: no adverse effect observed (not irritating) <sup>[1]</sup>  |  |  |  |
|  | TOXICITY  | IRRITATION  |  |  |  |
|  | dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>   | Eye (rabbit) : 500 mg/24 h - mild   |  |  |  |
| zinc oxide   | Inhalation (rat) LC50: >1.79 mg/l4 h <sup>[1]</sup>   | Eye: no adverse effect observed (not irritating) <sup>[1]</sup>   |  |  |  |
|  | Oral (rat)   DE0: > 5000 mg/kg[2]   | Skin (robbit) : 500 mg/24 h. mild   |  |  |  |

Oral (rat) LD50: >5000 mg/kg $^{[2]}$ 

Skin (rabbit): 500 mg/24 h- mild

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|  |  | Skin: no adverse   | e effect observed (not irritating) <sup>[1]</sup> |  |
|--|--|--|---|--|
| Legend:  | 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  |  |   |  |
| CHLOROTHALONIL   | Chlorothalonil has low toxicity, according to animal tes   | sting. It irritates the skin and eye. ADI:   | 0.01 mg/kg/day NOEL: 1.5 mg/kg/day                |  |
| MONOISOBUTANOLAMINE  | TRIS AMINO and its surrogate chemicals have very li cause allergic skin reactions.   | TRIS AMINO and its surrogate chemicals have very little, if any, toxicity. They are mildly irritating to eyes at moderate concentrations, and do not |   |  |
| TITANIUM DIOXIDE   | * IUCLID  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.  The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. |  |   |  |
| KAOLIN   | For bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallization of vitreous volcanic ashes that were deposited in water. The expected acute oral toxicity of bentonite in humans is very low.  |  |   |  |
| 2,2,4-TRIMETHYL-<br>1,3-PENTANEDIOL<br>MONOISOBUTYRATE   | Not a skin sensitiser (guinea pig, Magnusson-Kligman) *** Ames Test: negative *** Micronucleus, mouse: negative *** Not mutagenic *** No effects on fertility or foetal development seen in the rat *** * [SWIFT] ** [Eastman] *** [Perstop]  The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.                          |  |   |  |
| Fiberlock Lag-Kote II White 6420 & TITANIUM DIOXIDE  | Laboratory (in vitro) and animal studies show, exposure to the material may result in a possible risk of irreversible effects, with the possibility of producing mutation.   |  |   |  |
| Fiberlock Lag-Kote II White 6420 & CHLOROTHALONIL  | The following information refers to contact allergens as a group and may not be specific to this product.  Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type.   |  |   |  |
| Fiberlock Lag-Kote II White 6420 & PROPYLENE GLYCOL  | The acute oral toxicity of propylene glycol is very low; large amounts are needed to cause perceptible health damage in humans. Serious toxicity generally occurs only at blood concentrations over 1 g/L, which requires extremely high intake over a relatively short period of time; this is nearly impossible with consuming foods or supplements which contain 1g/kg of PG at most.   |  |   |  |
| PROPYLENE GLYCOL & TITANIUM DIOXIDE & 2,2,4- TRIMETHYL- 1,3-PENTANEDIOL MONOISOBUTYRATE & ZINC OXIDE | The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.   |  |   |  |
| CHLOROTHALONIL &<br>TITANIUM DIOXIDE   | Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound.   |  |   |  |
| TITANIUM DIOXIDE & KAOLIN  | WARNING: This substance has been classified by the IARC as Group 2B: Possibly Carcinogenic to Humans.  No significant acute toxicological data identified in literature search.  |  |   |  |
| Acute Toxicity   | ×  | Carcinogenicity  | ·   |  |
| Skin Irritation/Corrosion  | •  | Reproductivity   | ×   |  |
| Serious Eye Damage/Irritation  | ·  | STOT - Single Exposure   | ×   |  |
| Respiratory or Skin sensitisation  | *  | STOT - Repeated Exposure   | <b>~</b>  |  |
| Mutagenicity   | <b>→</b>   | Aspiration Hazard  | ×   |  |

Legend:

X − Data either not available or does not fill the criteria for classification
 ✓ − Data available to make classification

# SECTION 12 ECOLOGICAL INFORMATION

# Toxicity

| Fiberlock Lag-Kote II White<br>6420 | ENDPOINT         | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|-------------------------------------|------------------|--------------------|-------------------------------|------------------|------------------|
|                                     | Not<br>Available | Not Available      | Not Available                 | Not<br>Available | Not<br>Available |
|                                     | ENDPOINT         | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|                                     | LC50             | 96                 | Fish                          | >10-mg/L         | 2                |
| propylene glycol                    | EC50             | 48                 | Crustacea                     | 43-500mg/L       | 2                |
|                                     | EC50             | 96                 | Algae or other aquatic plants | 19-mg/L          | 2                |
|                                     | NOEC             | 168                | Fish                          | 11-530mg/L       | 2                |
|                                     | ENDPOINT         | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|                                     | LC50             | 96                 | Fish                          | 0.0076mg/L       | 4                |
| chlorothalonil                      | EC50             | 48                 | Crustacea                     | 0.0066475mg/L    | 4                |
|                                     | EC50             | 72                 | Algae or other aquatic plants | 0.0068mg/L       | 4                |
|                                     | BCF              | 336                | Algae or other aquatic plants | 0.02mg/L         | 4                |
|                                     | NOEC             | 240                | Crustacea                     | 0.0003mg/L       | 4                |

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# Fiberlock Lag-Kote II White 6420

|   | ENDPOINT   | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|---|--|--------------------|-------------------------------|------------------|------------------|
|   | LC50   | 96                 | Fish                          | =100mg/L         | 1                |
| monoisobutanolamine                             | EC50   | 48                 | Crustacea                     | =193mg/L         | 1                |
|   | EC50   | 96                 | Algae or other aquatic plants | 52.872mg/L       | 3                |
|   | NOEC   | 48                 | Crustacea                     | 100mg/L          | 2                |
|   | ENDPOINT   | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|   | LC50   | 96                 | Fish                          | >1-mg/L          | 2                |
| titanium dioxide                                | EC50   | 48                 | Crustacea                     | >1-mg/L          | 2                |
|   | EC50   | 72                 | Algae or other aquatic plants | 5.83mg/L         | 4                |
|   | NOEC   | 336                | Fish                          | 0.089mg/L        | 4                |
|   | ENDPOINT   | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
| kaolin  | Not<br>Available   | Not Available      | Not Available                 | Not<br>Available | Not<br>Available |
|   | ENDPOINT   | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|   | LC50   | 96                 | Fish                          | 9.552mg/L        | 3                |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | EC50   | 48                 | Crustacea                     | >19mg/L          | 2                |
| monoloobatyrato                                 | EC50   | 96                 | Algae or other aquatic plants | 0.789mg/L        | 3                |
|   | NOEC   | 72                 | Algae or other aquatic plants | 2mg/L            | 2                |
|   | ENDPOINT   | TEST DURATION (HR) | SPECIES                       | VALUE            | SOURCE           |
|   | LC50   | 96                 | Fish                          | 0.001-0.58mg/L   | 2                |
| zinc oxide                                      | EC50   | 48                 | Crustacea                     | 0.001-0.014mg/L  | 2                |
|   | EC50   | 72                 | Algae or other aquatic plants | 0.037mg/L        | 2                |
|   | BCF  | 336                | Fish                          | 4376.673mg/L     | 4                |
|   | NOEC   | 72                 | Algae or other aquatic plants | 0.00008138mg/L   | 2                |
| Legend:   | Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Su 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 |                    |                               |                  |                  |

 $\label{total conditions} \mbox{Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.}$ 

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Bentonite and kaolin have low toxicity to aquatic species, a large number of which have been tested

Propylene glycol is known to exert high levels of biochemical oxygen demand (BOD) during degradation in surface waters. This process can adversely affect aquatic life by consuming oxygen needed by aquatic organisms for survival.

DO NOT discharge into sewer or waterways.

# Persistence and degradability

| ,   |                         |                  |
|---|-------------------------|------------------|
| Ingredient                                      | Persistence: Water/Soil | Persistence: Air |
| propylene glycol                                | LOW                     | LOW              |
| chlorothalonil                                  | HIGH                    | HIGH             |
| monoisobutanolamine                             | LOW                     | LOW              |
| titanium dioxide                                | HIGH                    | HIGH             |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | LOW                     | LOW              |

# Bioaccumulative potential

| Ingredient                                      | Bioaccumulation       |  |  |
|---|-----------------------|--|--|
| propylene glycol                                | LOW (BCF = 1)         |  |  |
| chlorothalonil                                  | LOW (BCF = 125)       |  |  |
| monoisobutanolamine                             | LOW (BCF = 330)       |  |  |
| titanium dioxide                                | LOW (BCF = 10)        |  |  |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | LOW (LogKOW = 2.9966) |  |  |
| zinc oxide                                      | LOW (BCF = 217)       |  |  |

### Mobility in soil

| Ingredient          | Mobility             |
|---------------------|----------------------|
| propylene glycol    | HIGH (KOC = 1)       |
| chlorothalonil      | LOW (KOC = 2392)     |
| monoisobutanolamine | MEDIUM (KOC = 2.196) |

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| titanium dioxide                                | LOW (KOC = 23.74) |
|---|-------------------|
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | LOW (KOC = 22.28) |

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

- ▶ Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

#### Product / Packaging disposal

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.

▶ 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.
- ▶ Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Authority for disposal.

#### **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

#### PROPYLENE GLYCOL IS FOUND ON THE FOLLOWING REGULATORY LISTS

GESAMP/EHS Composite List - GESAMP Hazard Profiles

IMO IBC Code Chapter 17: Summary of minimum requirements

IMO IBC Code Chapter 18: List of products to which the Code does not apply

IMO MARPOL (Annex II) - List of Noxious Liquid Substances Carried in Bulk

IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances

IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)

# US DOE Temporary Emergency Exposure Limits (TEELs) US DOT Coast Guard Bulk Hazardous Materials - List of F

US DOT Coast Guard Bulk Hazardous Materials - List of Flammable and Combustible Bulk Liquid Cargoes

US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants

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

US Toxicology Excellence for Risk Assessment (TERA) Workplace Environmental Exposure Levels (WEEL)

US TSCA Chemical Substance Inventory - Interim List of Active Substances

#### CHLOROTHALONIL IS FOUND ON THE FOLLOWING REGULATORY LISTS

Chemical Footprint Project - Chemicals of High Concern List

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B : Possibly carcinogenic to humans

International Air Transport Association (IATA) Dangerous Goods Regulations

International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

US - California Office of Environmental Health Hazard Assessment Proposition 65 No Significant Risk Levels (NSRLs) for Carcinogens and Maximum Allowable Dose Levels (MADLs) for Chemicals Causing Reproductive Toxicity

US - California Proposition 65 - Carcinogens

# US - California Proposition 65 - No Significant Risk Levels (NSRLs) for Carcinogens

US Department of Transportation (DOT), Hazardous Material Table

US DOE Temporary Emergency Exposure Limits (TEELs)

US EPCRA Section 313 Chemical List

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule  $\,$ 

US Postal Service (USPS) Hazardous Materials Table: Postal Service Mailability Guide

US Postal Service (USPS) Numerical Listing of Proper Shipping Names by Identification (ID) Number

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

# MONOISOBUTANOLAMINE IS FOUND ON THE FOLLOWING REGULATORY LISTS

GESAMP/EHS Composite List - GESAMP Hazard Profiles

IMO IBC Code Chapter 17: Summary of minimum requirements

IMO MARPOL (Annex II) - List of Noxious Liquid Substances Carried in Bulk US Coast Guard, Department of Homeland Security Part 153: Ships Carrying Bulk

Liquid, Liquefied gas or compressed gas hazardous materials. Table 1 to Part 153 -- Summary of Minimum Requirements

TITANIUM DIOXIDE IS FOUND ON THE FOLLOWING REGULATORY LISTS

US DOE Temporary Emergency Exposure Limits (TEELs)

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

US TSCA Chemical Substance Inventory - Interim List of Active Substances

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Chemical Footprint Project - Chemicals of High Concern List

GESAMP/EHS Composite List - GESAMP Hazard Profiles

IMO IBC Code Chapter 17: Summary of minimum requirements

IMO MARPOL (Annex II) - List of Noxious Liquid Substances Carried in Bulk

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B : Possibly carcinogenic to humans

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

- US Alaska Limits for Air Contaminants
- US California Proposition 65 Carcinogens
- US Hawaii Air Contaminant Limits
- US Idaho Limits for Air Contaminants
- US Michigan Exposure Limits for Air Contaminants
- US Minnesota Permissible Exposure Limits (PELs)
- US Oregon Permissible Exposure Limits (Z-1)
- US Tennessee Occupational Exposure Limits Limits For Air Contaminants
- US Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

# $\ensuremath{\mathsf{US}}$ - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

- US Washington Permissible exposure limits of air contaminants
- US Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
- US ACGIH Threshold Limit Values (Spanish)
- US ACGIH Threshold Limit Values (TLV)
- US AIHA Workplace Environmental Exposure Levels (WEELs)
- US DOE Temporary Emergency Exposure Limits (TEELs)
- US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule
- US NIOSH Recommended Exposure Limits (RELs)
- US NIOSH Recommended Exposure Limits (RELs) (Spanish)
- US OSHA Permissible Exposure Levels (PELs) Table Z1
- US OSHA Permissible Exposure Limits Annotated Table Z-1 (Spanish)
- US Toxic Substances Control Act (TSCA) Chemical Substance Inventory
- US TSCA Chemical Substance Inventory Interim List of Active Substances
- US TSCA Section 12(b) List of Chemical Substances Subject to Export Notification Requirements
- US TSCA Section 5(a)(2) Significant New Use Rules (SNURs)

#### KAOLIN IS FOUND ON THE FOLLOWING REGULATORY LISTS

Chemical Footprint Project - Chemicals of High Concern List

GESAMP/EHS Composite List - GESAMP Hazard Profiles

IMO IBC Code Chapter 18: List of products to which the Code does not apply International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

- US Alaska Limits for Air Contaminants
- US California Permissible Exposure Limits for Chemical Contaminants
- US Hawaii Air Contaminant Limits
- US Idaho Limits for Air Contaminants
- US Idaho Toxic Air Pollutants Non- Carcinogenic Increments Occupational Exposure Limits
- US Minnesota Permissible Exposure Limits (PELs)
- US Oregon Permissible Exposure Limits (Z-1)
- US Tennessee Occupational Exposure Limits Limits For Air Contaminants
- US Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

- US Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants
- US Washington Permissible exposure limits of air contaminants
- US Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
- US ACGIH Threshold Limit Values (Spanish)
- US ACGIH Threshold Limit Values (TLV)
- US AIHA Workplace Environmental Exposure Levels (WEELs)
- US NIOSH Recommended Exposure Limits (RELs)
- US NIOSH Recommended Exposure Limits (RELs) (Spanish)
- US OSHA Permissible Exposure Levels (PELs) Table Z1
- US OSHA Permissible Exposure Limits Annotated Table Z-1 (Spanish)
- US Toxic Substances Control Act (TSCA) Chemical Substance Inventory
- US TSCA Chemical Substance Inventory Interim List of Active Substances

# 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

GESAMP/EHS Composite List - GESAMP Hazard Profiles

IMO IBC Code Chapter 17: Summary of minimum requirements

IMO MARPOL (Annex II) - List of Noxious Liquid Substances Carried in Bulk

US Coast Guard, Department of Homeland Security Part 153: Ships Carrying Bulk Liquid, Liquelfied gas or compressed gas hazardous materials. Table 1 to Part 153

--Summary of Minimum Requirements

- US DOE Temporary Emergency Exposure Limits (TEELs)
- US Toxic Substances Control Act (TSCA) Chemical Substance Inventory US TSCA Chemical Substance Inventory Interim List of Active Substances

### ZINC OXIDE IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Air Transport Association (IATA) Dangerous Goods Regulations International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

- US Alaska Limits for Air Contaminants
- US California Permissible Exposure Limits for Chemical Contaminants
- US Hawaii Air Contaminant Limits
- US Idaho Limits for Air Contaminants
- US Idaho Toxic Air Pollutants Non- Carcinogenic Increments Occupational Exposure Limits
- US Michigan Exposure Limits for Air Contaminants
- US Minnesota Permissible Exposure Limits (PELs)
- US Oregon Permissible Exposure Limits (Z-1)
- US Tennessee Occupational Exposure Limits Limits For Air Contaminants
- US Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants
- US Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants
- US Washington Permissible exposure limits of air contaminants
- US Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
- US ACGIH Threshold Limit Values (Spanish)

- US ACGIH Threshold Limit Values (TLV)
- US AIHA Workplace Environmental Exposure Levels (WEELs)
- US CWA (Clean Water Act) Priority Pollutants
- US CWA (Clean Water Act) Toxic Pollutants
- US Department of Transportation (DOT), Hazardous Material Table
- US DOE Temporary Emergency Exposure Limits (TEELs)
- US EPA Carcinogens Listing
- US EPCRA Section 313 Chemical List
- US NIOSH Recommended Exposure Limits (RELs)
- US NIOSH Recommended Exposure Limits (RELs) (Spanish)
- US OSHA Permissible Exposure Levels (PELs) Table Z1
- US OSHA Permissible Exposure Limits Annotated Table Z-1 (Spanish)
- US OSHA Permissible Exposure Limits Annotated Table Z-3 (Spanish)
  US Postal Service (USPS) Hazardous Materials Table: Postal Service Mailability Guide
- US Postal Service (USPS) Numerical Listing of Proper Shipping Names by Identification (ID) Number
- US Toxic Substances Control Act (TSCA) Chemical Substance Inventory
- US TSCA Chemical Substance Inventory Interim List of Active Substances

# **Federal Regulations**

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SECTION 311/312 HAZARD CATEGORIES

| Flammable (Gases, Aerosols, Liquids, or Solids) |    |
|---|----|
| Gas under pressure                              | No |
| Explosive                                       | No |

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### Fiberlock Lag-Kote II White 6420

Self-heating No Pyrophoric (Liquid or Solid) No No No No No No

Pyrophoric Gas Corrosive to metal Oxidizer (Liquid, Solid or Gas) Organic Peroxide Self-reactive In contact with water emits flammable gas No Combustible Dust No Carcinogenicity Yes Acute toxicity (any route of exposure) No Reproductive toxicity No Skin Corrosion or Irritation Yes Respiratory or Skin Sensitization Yes Serious eye damage or eye irritation Yes Specific target organ toxicity (single or repeated exposure) Yes Aspiration Hazard No Germ cell mutagenicity Yes Simple Asphyxiant Hazards Not Otherwise Classified No

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

None Reported

#### **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 PROPOSITION 65 - CARCINOGENS: LISTED SUBSTANCE

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

#### **National Inventory Status**

| National Inventory            | Status  |
|-------------------------------|---|
| Australia - AICS              | Yes   |
| Canada - DSL                  | Yes   |
| Canada - NDSL                 | No (chlorothalonil; monoisobutanolamine; kaolin; propylene glycol; 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate)   |
| China - IECSC                 | Yes   |
| Europe - EINEC / ELINCS / NLP | Yes   |
| Japan - ENCS                  | No (kaolin)   |
| Korea - KECI                  | Yes   |
| New Zealand - NZIoC           | Yes   |
| Philippines - PICCS           | Yes   |
| USA - TSCA                    | Yes   |
| Taiwan - TCSI                 | Yes   |
| Mexico - INSQ                 | Yes   |
| Vietnam - NCI                 | Yes   |
| Russia - ARIPS                | No (chlorothalonil)   |
| Legend:                       | Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

# **SECTION 16 OTHER INFORMATION**

| Revision Date | 01/22/2020 |
|---------------|------------|
| Initial Date  | 08/30/2017 |

#### CONTACT POINT

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

# **SDS Version Summary**

| Version    | Issue Date | Sections Updated   |
|------------|------------|--|
| 7.10.1.1.1 | 01/22/2020 | Acute Health (eye), Acute Health (skin), Acute Health (swallowed), Chronic Health, Classification, Disposal, Environmental, Exposure Standard, Fire Fighter (extinguishing media), Fire Fighter (fire/explosion hazard), Fire Fighter (fire fighting), Fire Fighter (fire incompatibility), First Aid (eye), Handling Procedure, Ingredients, Personal Protection (Respirator), Spills (major), Spills (minor), Storage (storage incompatibility), Storage (storage requirement), Storage (suitable container), Supplier Information |

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#### Other information

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.

#### **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 $_{\circ}$ 

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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