

## SECTION 1 - IDENTIFICATION

**Product Identifier**

Product Number(s) *F7116CT*  
 Product Name *Fiber Protector*

Other Means of Identification *None*

**Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

Identified Uses *Fabric Protection*  
 Restrictions On Use *None identified*

|                                  |
|----------------------------------|
| 24 hr Emergency<br>Phone Number  |
| <b>800-255-3924</b>              |
| (Chem-Tel – Contract #MIS001566) |

| Manufacturer Details |   | Supplier Details |   |
|----------------------|---|------------------|---|
| Manufacturer Name    | <i>Chem-Pak, Inc.</i>                           | Supplier Name    | <i>Fiber Protector America LLC</i>                                |
| Address              | <i>242 Corning Way<br/>Martinsburg WV 25405</i> | Address          | <i>1100 Jones Street<br/>PO Box 3597<br/>Little Rock AR 72202</i> |
| Phone Number         | <i>800-336-9828</i>                             | Phone Number     | <i>501-374-4402</i>   |
| Fax Number           | <i>304-262-9643</i>                             | Fax Number       |   |

## SECTION 2 - HAZARDS IDENTIFICATION

**GHS/CLP (1272/2008) Classification of the Substance or Mixture**

| HEALTH HAZARDS        |                             |                      |                            | PHYSICAL HAZARDS             |                            |                        |                          |                     |                          |
|-----------------------|-----------------------------|----------------------|----------------------------|------------------------------|----------------------------|------------------------|--------------------------|---------------------|--------------------------|
| Acute Tox. Oral       | <input type="checkbox"/>    | Mutagenicity         | <input type="checkbox"/>   | Unstable Explosive           | <input type="checkbox"/>   | Refrigerated Liq. Gas  | <input type="checkbox"/> | Pyrophoric Solid    | <input type="checkbox"/> |
| Acute Tox. Skin       | <input type="checkbox"/>    | Carcinogenicity      | <input type="checkbox"/>   | Explosive                    | <input type="checkbox"/>   | Flammable Liquid       | <input type="checkbox"/> | Emits Flammable Gas | <input type="checkbox"/> |
| Acute Tox. Inhalation | <input type="checkbox"/>    | Tox. to Reproduction | <input type="checkbox"/>   | Flammable Gas                | <input type="checkbox"/>   | Flammable Solid        | <input type="checkbox"/> | Oxidizing Liquid    | <input type="checkbox"/> |
| Skin Irritation       | <input type="checkbox"/>    | STOT SE              | <input type="checkbox"/> 3 | Aerosol                      | <input type="checkbox"/> 1 | Self-Reactive Sub.     | <input type="checkbox"/> | Oxidizing Solid     | <input type="checkbox"/> |
| Eye Irritation        | <input type="checkbox"/> 2A | STOT RE              | <input type="checkbox"/>   | Oxidizing Gas                | <input type="checkbox"/>   | Pyrophoric Liquid      | <input type="checkbox"/> | Organic Peroxide    | <input type="checkbox"/> |
| Resp. Sensitization   | <input type="checkbox"/>    | Aspiration Hazard    | <input type="checkbox"/>   | Gas Under Pressure           | <input type="checkbox"/>   | Self-Heating Substance | <input type="checkbox"/> | Corrosive to Metal  | <input type="checkbox"/> |
| Skin Sensitization    | <input type="checkbox"/>    |                      | <input type="checkbox"/>   | <b>ENVIRONMENTAL HAZARDS</b> |                            |                        |                          |                     |                          |
|                       | <input type="checkbox"/>    |                      | <input type="checkbox"/>   | Aquatic Acute                | <input type="checkbox"/>   | Aquatic Chronic        | <input type="checkbox"/> | Ozone Depleting     | <input type="checkbox"/> |

**GHS/CLP (1272/2008) Label Elements**

**Hazard Pictograms**



**Signal Word**

*Danger!*

**Hazard Statements**

*Extremely flammable aerosol. Pressurized container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness.*

**Precautionary Statements**

**General**

*Keep out of reach of children.*

**NFPA / HMIS Classification**

|   |  |        |     |              |   |                 |   |
|---|--|--------|-----|--------------|---|-----------------|---|
|  | <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">* 2</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">4</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td style="text-align: center;">0</td> </tr> </table> | HEALTH | * 2 | FLAMMABILITY | 4 | PHYSICAL HAZARD | 0 |
| HEALTH  | * 2  |        |     |              |   |                 |   |
| FLAMMABILITY  | 4  |        |     |              |   |                 |   |
| PHYSICAL HAZARD   | 0  |        |     |              |   |                 |   |

|                   |   |
|-------------------|---|
| <b>Prevention</b> | Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response</b>   | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.  |
| <b>Storage</b>    | Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  |
| <b>Disposal</b>   | Dispose of contents/container in accordance with local regulations.   |

**Other Hazards Which Do Not Result In Classification**

**Hazards** None known

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| ID | INGREDIENT              | CAS NUMBER   | EC NUMBER | INDEX NUMBER | % WT RANGE |
|----|-------------------------|--------------|-----------|--------------|------------|
| 1  | Isopropanol             | 0000067-63-0 | 200-661-7 | 603-17-00-0  | 60 - 100   |
| 2  | Liquefied Petroleum Gas | 0068476-86-8 | 270-705-8 | 649-203-00-1 | 15 - 40    |
| 3  | N-Butyl Acetate         | 0000123-86-4 | 204-658-1 | 607-025-00-1 | 1 - 5      |

## SECTION 4 - FIRST-AID MEASURES

**Description of First-Aid Measures**

|                                       |   |
|---------------------------------------|---|
| <b>Eye Contact</b>                    | Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.  |
| <b>Skin Contact</b>                   | Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.                               |
| <b>Ingestion</b>                      | Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing. |
| <b>Inhalation</b>                     | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.   |
| <b>First-Aid Responder Protection</b> | Wear adequate personal protective equipment based on the nature and severity of the emergency.  |

**Most Important Symptoms and Effects, Both Acute and Delayed**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Liquid contact may cause pain along with moderate eye irritation.  |
| <b>Skin Contact</b> | Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.  |
| <b>Ingestion</b>    | Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema. |
| <b>Inhalation</b>   | Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.  |

**Indication of Immediate Medical Attention and Special Treatment**

|                                      |  |
|--------------------------------------|--|
| <b>Notes to Physician</b>            | Treat symptomatically.   |
| <b>Specific Treatments/Antidotes</b> | Details on specific treatments and/or antidotes are not available. |
| <b>Immediate Medical Attention</b>   | No information available.  |

## SECTION 5 - FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

**Extinguishing Media** Water, CO<sub>2</sub>, dry chemical, or universal aqueous film forming foam

**Unsuitable Media** Water jet

### Specific Hazards Arising from the Chemical or Mixture

**Decomposition Products** Decomposition products may include oxides of carbon (CO, CO<sub>2</sub>), smoke, and/or vapors.

**Hazards from the Product** Contents extremely flammable and under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to ignition source.

**Mechanical Impact Sensitivity** Mechanical impact may cause aerosol can to rupture, resulting in a rapid release of its contents. In the presence of an ignition source the liquid and/or vapor content may be ignited.

**Static Discharge Sensitivity** Vapor within the flammable limits may be ignited by a static discharge of sufficient energy.

### Special Protection Actions for Fire-Fighters

**Protective Actions** Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.

**Protective Equipment** Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**For Non-Emergency Personnel** No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.

**For Emergency Responders** Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

### Environmental Precautions

**Precautions** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

### Methods and Materials for Containment and Cleaning up

**Containment Procedures** Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.

**Cleanup Procedures** Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

**Other Information** Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.

**Prohibited Materials** Combustible absorbent material such as sawdust, use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

**General Handling Precautions** KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.

**Hygiene Recommendations** Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

**Conditions for Safe Storage Including And Incompatibilities**

**Storage Requirements** Storage of individual cans should be done in an area below 55 °C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

**Incompatibilities** Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters**

**Occupational Exposure Limits**

| ID | AUSTRALIA | ALBERTA  | CANADA   |                |            | GERMANY               | JAPAN   | MEXICO   | UK       | OSHA     | UNITED STATES |            |           |
|----|-----------|----------|----------|----------------|------------|-----------------------|---------|----------|----------|----------|---------------|------------|-----------|
|    | TWA       | OEL      | BC TWA   | ONTARIO TWA/EA | QUEBEC TWA | MAK                   | OEL     | MPEL-PTA | WEL      | PEL      | NIOSH REL     | NIOSH IDLH | ACGIH TLV |
| 1  | 400 ppm   | 400 ppm  | 200 ppm  | 200 ppm        | 400 ppm    | 500 mg/m <sup>3</sup> | 400 ppm | 400 ppm  | 200 ppm  | 400 ppm  | 400 ppm       | 2000 ppm   | 200 ppm   |
| 2  | 1000 ppm  | 1000 ppm | 1000 ppm | 1000 ppm       | —          | —                     | —       | —        | 1000 ppm | 1000 ppm | 1000 ppm      | 2000 ppm   | 1000 ppm  |
| 3  | 150 ppm   | 150 ppm  | 20 ppm   | 150 ppm        | 150 ppm    | 480 mg/m <sup>3</sup> | 100 ppm | 150 ppm  | 150 ppm  | 150 ppm  | 150 ppm       | 1700 ppm   | 150 ppm   |

**Biological Exposure Indices**

| ID | DETERMINANT      | SAMPLING TIME                   | BEI     | NOTATION |
|----|------------------|---------------------------------|---------|----------|
| 1  | Acetone in urine | End of shift at end of workweek | 40 mg/L | Ns, B    |

**Other Control Parameters** Not available.

**Appropriate Engineering Control**

**Engineering Measures** Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

**Individual Protection Measures**

**Hygiene Considerations** Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.

**Thermal Hazards** This product does not present a thermal hazard.

**Respiratory Protection** An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.

**Skin Protection** For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

**Eye/Face Protection** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

**Other Protective Equipment** Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                            |                             |  |                        |
|----------------------------|-----------------------------|--|------------------------|
| <b>Boiling Point</b>       | > 82.2 °C (180.0 °F)        | <b>Melting / Freezing Point</b>              | > -88.0 °C (-126.4 °F) |
| <b>Flash Point, Liquid</b> | > 11.0 °C (51.8 °F)         | <b>Flash Point, Propellant</b>               | -82.8 °C (-117.0 °F)   |
| <b>Explosive Limits</b>    | 1.70% to 12.00%             | <b>Autoignition Temperature, Liquid</b>      | 399.0 °C (750.2 °F)    |
| <b>Flammability</b>        | Extremely Flammable Aerosol | <b>Relative Density (H<sub>2</sub>O = 1)</b> | 0.716 g/cc             |
| <b>Molecular Weight</b>    | Not Available               | <b>Weight</b>                                | 5.972 lbs/gal          |
| <b>Vapor Pressure</b>      | 45.98 psig                  | <b>pH</b>                                    | Not Available          |
| <b>Vapor Density</b>       | 2.070 g/cc Maximum          | <b>Evaporation Rate</b>                      | Not Available          |
| <b>Form</b>                | Pressurized Product         | <b>Partition Coefficient</b>                 | Not Available          |
| <b>Viscosity</b>           | Not Available               | <b>Refractive Index</b>                      | Not Available          |
| <b>Odor Threshold</b>      | Not Available               | <b>Heat of Combustion</b>                    | Not Available          |



# SAFETY DATA SHEET

GHS COMPLIANT

Fiber Protector

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|                                    |                      |                                       |                             |
|------------------------------------|----------------------|---------------------------------------|-----------------------------|
| <b>Odor</b>                        | Mild                 | <b>Water Solubility</b>               | Not Available               |
| <b>Appearance / Color</b>          | Clear, colorless     | <b>Decomposition Temperature</b>      | Not Available               |
| <b>Percent Volatile</b>            | 99% Wt (99% Vol) Max | <b>VOC Content</b>                    | 5.892 lbs/gal (705.907 g/L) |
| <b>Percent VOC</b>                 | 99% Wt (99% Vol) Max | <b>HAP Content</b>                    | None                        |
| <b>Solids/Non Volatile Content</b> | 2% Wt (2% Vol) Max   | <b>Maximum Incremental Reactivity</b> | 0.821 g O <sub>3</sub> /g   |

## SECTION 10 - STABILITY AND REACTIVITY

|                                 |   |
|---------------------------------|---|
| <b>Reactivity</b>               | No specific test data related to reactivity is available for this products or its ingredients.  |
| <b>Chemical Stability</b>       | This product is stable.   |
| <b>Hazardous Reactions</b>      | Under normal conditions of storage and use, hazardous reactions are not expected to occur.  |
| <b>Conditions to Avoid</b>      | Keep away from heat, sparks, flame, and red hot metal.  |
| <b>Material Incompatibility</b> | Acetaldehyde, Alkali Metals, Aluminum, Chlorine, Chlorine Dioxide, Ethylene Oxide, Isocyanates, Nitrates, Potassium Tert-Butoxide, Strong Acids, Strong Oxidizing Agents, Trinitromethane |
| <b>Decomposition Products</b>   | Oxides of Carbon, Acetic Acid, n-Butanol may be formed depending on fire conditions.  |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity

| ID | ORAL LD50   |         | DERMAL LD50  |         | INHALATION LC50 |      |         |
|----|-------------|---------|--------------|---------|-----------------|------|---------|
|    | VALUE       | SPECIES | VALUE        | SPECIES | VALUE           | TIME | SPECIES |
| 1  | 4720 mg/kg  | rat     | 12890 mg/kg  | rabbit  | 17000 ppm       | 4h   | rat     |
| 2  | —           | —       | —            | —       | 57.42% v/v      | —    | mice    |
| 3  | 13100 mg/kg | rat     | >14100 mg/kg | rabbit  | >21 mg/L        | 4h   | rat     |

|  |  |
|--|--|
| <b>Skin Corrosion/Irritation</b>         | None of the ingredients are known to be corrosive to the skin or cause skin irritation.                          |
| <b>Eye Damage/Irritation</b>             | Isopropanol causes serious eye irritation.   |
| <b>Respiratory Irritation</b>            | None of the ingredients are known to cause respiratory irritation.   |
| <b>Respiratory or Skin Sensitization</b> | None of the ingredients are known to cause sensitization.  |
| <b>Germ Cell Mutagenicity</b>            | None of the ingredients are known or suspected of causing genetic defects.                                       |
| <b>Carcinogen Data</b>                   | None of the ingredients are known or suspected carcinogens.  |
| <b>Reproductive Toxicity</b>             | None of the ingredients are known to cause reproductive harm.  |
| <b>STOT-Single Exposure</b>              | Isopropanol, N-Butyl Acetate may cause drowsiness or dizziness.  |
| <b>STOT-Repeated Exposure</b>            | None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure. |
| <b>Aspiration Hazard</b>                 | None of the ingredients are known to be an aspiration hazard.  |

### Information on the Likely Routes of Exposure

**Routes of Exposure** Skin contact, skin absorption, eye contact, inhalation.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics

**Symptoms of Exposure** Asphyxia, Dizziness, Drowsiness, Dry Cracking Skin, Skin Irritation, Throat Irritation, Upper Respiratory System Irritation

### Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

**Delayed Effects** No known delayed effects.

**Immediate Effects** No known immediate effects.

**Chronic Effects** Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal.

**Medical Conditions Aggravated** May aggravate personnel with pre-existing disorders associated with any of the Target Organs.



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**Target Organs** Central Nervous System, Eyes, Respiratory System, Skin

**Interactive Effects**

**Synergistic Effects** No known synergistic effects.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

| ID | FISH |           |        | INVERTEBRATES |             |        | AQUATIC PLANTS |            |        | MICROORGANISMS |           |        |
|----|------|-----------|--------|---------------|-------------|--------|----------------|------------|--------|----------------|-----------|--------|
|    | TYPE | VALUE     | PERIOD | TYPE          | VALUE       | PERIOD | TYPE           | VALUE      | PERIOD | TYPE           | VALUE     | PERIOD |
| 1  | LC50 | 9460 mg/L | 96h    | EC50          | >10000 mg/L | 24h    | EC50           | >1000 mg/L | 72h    | LOEC           | 4930 mg/L | 72h    |
| 3  | LC50 | 62 mg/L   | 96h    | EC50          | 72.8 mg/L   | 24h    | EC50           | 675 mg/L   | 72h    | EC50           | 959 mg/L  | 18h    |

**Ecological Data**

| ID | PERSISTENCE | PERSISTENCE AND DEGRADABILITY |           |           | BIOACCUMULATIVE POTENTIAL |               | MOBILITY      |
|----|-------------|-------------------------------|-----------|-----------|---------------------------|---------------|---------------|
|    |             | BOD                           | COD       | ThOD      | Pow / Kow                 | BCF           |               |
| 1  | -           | -                             | -         | 2400 mg/g | 0.05 log Kow              | 3.162 log BCF | 0.122 log Koc |
| 3  | -           | 520 mg/g                      | 2320 mg/g | 2207 mg/g | 1.804 log Pow             | 1.14 log BCF  | 2.35 log Koc  |

**Other Adverse Effects** No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal** Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.






**Waste Disposal of Packaging** In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

**Landfill Precautions** Not Available

**Incineration Precautions** \*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\*

## SECTION 14 - TRANSPORTATION INFORMATION

|                              | UNITED STATES DOT          | INTERNATIONAL AIR ICAO/IATA           | INTERNATIONAL OCEAN IMDG   | UNITED NATIONS ADR         | CANADA TDG                 |
|------------------------------|----------------------------|---------------------------------------|----------------------------|----------------------------|----------------------------|
| <b>ID Number</b>             | UN1950                     | UN1950                                | UN1950                     | UN1950                     | UN1950                     |
| <b>Proper Shipping Name</b>  | Aerosols, Limited Quantity | Aerosols, Flammable, Limited Quantity | Aerosols, Limited Quantity | Aerosols, Limited Quantity | Aerosols, Limited Quantity |
| <b>Hazard Class(es)</b>      | 2.1                        | 2.1                                   | 2.1                        | 2.1                        | 2.1                        |
| <b>Packing Group</b>         | —                          | —                                     | —                          | —                          | —                          |
| <b>Environmental Hazards</b> | No                         | No                                    | No                         | No                         | No                         |
| <b>Special Precautions</b>   | Not Applicable             | Not Applicable                        | Not Applicable             | Not Applicable             | Not Applicable             |

|               | UNITED STATES DOT   | INTERNATIONAL AIR ICAO/IATA   | INTERNATIONAL OCEAN IMDG   | UNITED NATIONS ADR  | CANADA TDG  |
|---------------|---|---|--|---|---|
| Hazard Labels |  |  |  |  |  |

Additional Shipping Details Not available.

## SECTION 15 - REGULATORY INFORMATION

### United States - Federal Regulations

| ID | TSCA LISTED | SARA 302 EHS TPQ | RCRA | CERCLA | SARA 313 | SARA 311/312 |            |       |         |          | CLEAN AIR ACT |       | CLEAN WATER ACT |
|----|-------------|------------------|------|--------|----------|--------------|------------|-------|---------|----------|---------------|-------|-----------------|
|    |             |                  |      |        |          | FIRE         | REACTIVITY | ACUTE | CHRONIC | PRESSURE | HAP           | SOCMI |                 |
| 1  | Yes         | -                | -    | -      | 71%      | Yes          | -          | Yes   | -       | -        | -             | -     | -               |
| 2  | Yes         | -                | -    | -      | -        | Yes          | -          | -     | -       | -        | -             | -     | -               |
| 3  | Yes         | -                | -    | 5000   | -        | Yes          | -          | Yes   | -       | -        | -             | -     | 5000            |

### United States - State Regulations

| ID | CA P-65 | DE RQ | MA RTK CODES | ME TYPE    | ME RQ | ME RTK | MN AIR | MN WATER | NJ RTK | NJ AIR | NY LAND | NY ACUTE | PA LISTED | WA PEL TWA | WI TABLE | WV TAP |
|----|---------|-------|--------------|------------|-------|--------|--------|----------|--------|--------|---------|----------|-----------|------------|----------|--------|
|    | 1       | -     | -            | 2,4,5,6 F9 | -     | 2000   | ANO    | -        | -      | Yes    | -       | -        | -         | Yes-E      | 400 ppm  | -      |
| 3  | -       | 5000  | 2,4,5,6 F8   | -          | 2000  | AO     | -      | -        | -      | 5000   | 100     | -        | Yes-E     | 150 ppm    | -        | -      |

### Canadian Regulations

| ID | WHMIS CATEGORIES |    |   |     |     |     |     |    |   |   | CHEMICAL LISTS |      |       |
|----|------------------|----|---|-----|-----|-----|-----|----|---|---|----------------|------|-------|
|    | A                | B  | C | D1A | D1B | D2A | D2B | D3 | E | F | DSL            | NDSL | NPRI  |
| 1  | -                | B2 | - | -   | -   | -   | X   | -  | - | - | Yes            | -    | 1A, 5 |
| 2  | X                | B1 | - | -   | -   | -   | -   | -  | - | - | Yes            | -    | -     |
| 3  | -                | B2 | - | -   | -   | -   | X   | -  | - | - | Yes            | -    | 5     |

#### CPR Notice

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

#### WHMIS Classification

A, B5, D2B

#### WHMIS Symbols



### European Union Regulations

| ID | 1907/2006 SVHC | 1999/45/EC or 67/548/EEC CLASSIFICATION | HAZARD CODES | 1272/2008 CLP PICTOGRAM CODES | SUPPL. CODES      |
|----|----------------|---|--------------|-------------------------------|-------------------|
|    | 1              | -                                       | F, Xi        | H225, H319, H336              | GHS02, GHS07, Dgr |
| 2  | -              | F+                                      | H220         | GHS02, Dgr                    | -                 |
| 3  | -              | -                                       | H226, H336   | GHS02, GHS07, Wng             | EUH066            |

### Classification According to EU Directive 1999/45/EC or 67/548/EEC (see Section 16 for full text)

#### Pictograms



#### Risk Phrases

12-36-66-67

#### Safety Phrases

2-16-24/25-26

**International Regulations**

**Chemical Weapons Convention**      None of the ingredients are listed on the convention's schedules.

**SECTION 16 - OTHER INFORMATION**

**Full Text of EU Phrases and Precautionary Statements**

| CODE | HAZARD STATEMENTS                           |
|------|---|
| H222 | Extremely Flammable aerosol.                |
| H229 | Pressurized container: may burst if heated. |
| H319 | Causes serious eye irritation.              |
| H336 | May cause drowsiness or dizziness.          |

| CODE   | SUPPLEMENTAL HAZARDS                                  |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

| CODE      | PRECAUTIONARY STATEMENTS  |
|-----------|---|
| P102      | Keep out of reach of children.  |
| P210      | Keep away from heat/sparks/open flames/hot surfaces. – No smoking.            |
| P251      | Pressurized container: Do not pierce or burn, even after use.                 |
| P261      | Avoid breathing dust/fume/gas/mist/vapours/spray.                             |
| P264      | Wash hands thoroughly after handling.   |
| P271      | Use only outdoors or in well-ventilated area.                                 |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.    |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F. |

| CODE | RISK PHRASES  |
|------|---|
| R 12 | Extremely flammable.                                  |
| R 36 | Irritating to eyes.                                   |
| R 66 | Repeated exposure may cause skin dryness or cracking. |
| R 67 | Vapours may cause drowsiness or dizziness.            |

| CODE    | SAFETY PHRASES  |
|---------|---|
| S 2     | Keep out of reach of children.  |
| S 16    | Keep away from sources of ignition – No smoking.  |
| S 24/25 | Avoid contact with skin and eyes.   |
| S 26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

**SDS Revision History**      Revision 1, 07/18/2013    Original in GHS Version 4 Format

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**References and Sources**

- CAMEO Database of Hazardous Materials (<http://cameochemicals.noaa.gov>)
- CHEMpendium Database (<http://ccinfoweb.ccohs.ca/chempendium/search.html>)
- ChemSpider Chemical Database (<http://chemspider.com>)
- European Chemical Substances Information System (<http://esis.jrc.ec.europa.eu>)
- European Chemicals Agency (<http://echa.europa.eu>)
- International Chemical Safety Cards (<http://www.cdc.gov/niosh/ipcs/ipcscard.html>)
- IUCLID Chemical Data Sheets Information System (<http://esis.jrc.ec.europa.eu/index.php?PGM=dat>)
- Merck Chemical Database (<http://www.merckmillipore.co.uk/chemicals>)
- NIOSH Pocket Guide to Chemical Hazards (<http://www.cdc.gov/niosh/hpg/>)
- Right to Know Hazardous Substance Fact Sheets (<http://web.doh.state.nj.us/rtkhsfs/indexfs.aspx>)
- RTECS Database (<http://ccinfoweb.ccohs.ca/rtecs/search.html>)
- SOLV-DB, Solvent Database (<http://solvdb.ncms.org/solvdb.htm>)
- Toxic Substances Portal (<http://www.atsdr.cdc.gov/toxprofiles/index.asp>)
- TOXNet (<http://toxnet.nlm.nih.gov>)

**Abbreviations Used**

|       |  |     |                           |
|-------|--|-----|---------------------------|
| ACGIH | American Conference of Industrial Hygienists                             | BCF | Bioconcentration Factor   |
| ADR   | European Agreement ... International Carriage of Dangerous Goods by Road | BEI | Biological Exposure Index |





# SAFETY DATA SHEET

GHS COMPLIANT

Fiber Protector

Part No. F7116CT Aerosol

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|          |   |         |   |
|----------|---|---------|---|
| BOD      | Biochemical Oxygen Demand   | NDSL    | Non-Domestic Substance List (Canada)                        |
| CA       | California  | NIOSH   | National Institute for Occupational Safety and Health (USA) |
| CERCLA   | Comprehensive Environmental Response, Compensation, and Liability Act (USA) | NJ      | New Jersey  |
| CFR      | Code of Federal Regulations (USA)   | NOEC    | No Observed Effect Concentration                            |
| CLP      | Classification, Labeling and Packaging of Substances (Europe)               | NPRI    | National Pollutant Release Inventory (Canada)               |
| COD      | Chemical Oxygen Demand  | NTP     | National Toxicity Program (USA)                             |
| CPR      | Controlled Products Regulations (Canada)                                    | NY      | New York  |
| DE       | Delaware  | OEL     | Occupational Exposure Limit                                 |
| DOT      | Department of Transportation (USA)  | OSHA    | Occupational Safety and Health Administration (USA)         |
| DSL      | Domestic Substance List (Canada)  | P-65    | Proposition 65 (USA)  |
| EC       | European Community  | PA      | Pennsylvania  |
| EC50     | Effective Concentration 50%   | Pow     | Octanol-Water Partition Coefficient                         |
| EHA      | Extremely Hazardous Substance   | ppm     | Parts per Million   |
| EPA      | Environmental Protection Agency (USA)                                       | psig    | Pounds per Square Inch Gage                                 |
| g/cc     | Grams per Cubic Centimeter  | RCRA    | Resource Conservation and Recovery Act (USA)                |
| GHS      | Globally Harmonized System  | REL     | Recommended Exposure Limit                                  |
| HAP      | Hazardous Air Pollutant   | RQ      | Reportable Quantity   |
| IARC     | International Agency for Research on Cancer                                 | RTK     | Right to Know   |
| IATA     | International Air Transportation Association                                | SARA    | Superfund Amendments and Reauthorization Act (USA)          |
| IC50     | Half Maximal Inhibitory Concentration                                       | SDS     | Safety Data Sheet   |
| ICAO     | International Civil Aviation Organization                                   | SOCMI   | Synthetic Organic Chemical Manufacturing Industry (USA)     |
| IDLH     | Immediately Dangerous to Life and Health                                    | STOT-RE | Suspected Target Organ Toxin, Repeat Exposure               |
| IMDG     | International Maritime Dangerous Goods                                      | STOT-SE | Suspected Target Organ Toxin, Single Exposure               |
| Kow      | Octanol-Water Partition Coefficient   | SVHC    | Substance of Very High Concern                              |
| lbs/gal  | Pounds per Gallon   | TAP     | Toxic Air Pollutant   |
| LC50     | Lethal Concentration 50%  | TDG     | Transportation of Dangerous Goods (Canada)                  |
| LD50     | Lethal Dosage 50%   | ThOD    | Theoretical Oxygen Demand                                   |
| MA       | Massachusetts   | TLV     | Threshold Limit Value                                       |
| MAK      | Maximale Arbeitsplatz Konzentration (Maximum Workplace Concentration)       | TPQ     | Threshold Planning Quantity                                 |
| Max      | Maximum   | TSCA    | Toxic Substances Control Act (USA)                          |
| mg/L     | Milligrams per Litre  | TWA     | Time Weighted Average                                       |
| mg/m3    | Milligrams per Cubic Meter  | TWAEV   | Time Weighted Average Exposure Value                        |
| MN       | Minnesota   | VOC     | Volatile Organic Compound                                   |
| MPEL-PTA | Maximum Permissible Exposure Limit on Pondered Time Average                 | WA      | Washington  |
|          |   | WEL     | Workplace Exposure Limit                                    |
|          |   | WHMIS   | Workplace Hazardous Materials Information System (Canada)   |
|          |   | WI      | Wisconsin   |
|          |   | WV      | West Virginia   |