

# SAFETY DATA SHEET

HazCom HCS 2012 / EC No 453/2010 Compliant

## Section 1. IDENTIFICATION of SUBSTANCE/MIXTURE and the COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Product form:** Article  
**Product Name:** 20SQ-CW2  
**Product Code(s):** 29931  
**Product Description:** Blue Apertured film

### 1.2 Relevant Identified Uses and Restrictions

**Intended Use:** Food Packaging applications  
**Restrictions:** Medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues.

### 1.3 Company Details

**Manufacturer:** Tredegear Film Products  
1100 Boulders Parkway  
Richmond, VA 23225  
<http://www.tredegear.com>  
**Contact Person:** Mary E. Brilla  
804-330-1240  
mary.brilla@tredegear.com  
**Emergency Number:** 804-330-1000 (M-F 8:00-17:00)

## Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification

**Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200**

Not classified

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

### 2.2 Label Requirements

**Label Elements/Pictograms:** Not required  
**Signal Word:** Not required  
**Hazard Statement:** Not required

### 2.3 Other Hazards

**Physical Hazards:** Not classified

**Health Hazards:**

<b>Acute Toxicity:</b>	Not classified
<b>Skin corrosion/irritation:</b>	Not classified
<b>Serious eye damage/ eye irritation:</b>	Not classified
<b>Respiratory Sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Specific target organ toxicity, single exposure:</b>	Not classified
<b>Specific target organ toxicity, repeated exposure:</b>	Not classified
<b>Skin Sensitization</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

**OSHA Defined Hazards:** Not classified.

**Precautionary Statement:**

<b>Prevention:</b>	Not required.
<b>Response:</b>	Not required.
<b>Storage:</b>	Not required.
<b>Disposal:</b>	Not required.

**Hazards not Otherwise Classified:** Fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard. Irritating fumes may be produced by combustion. Molten polymer may cause thermal burns.

### Section 3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

**Mixture:** The composition of this article is proprietary information. Composition may be provided in a separate document with completion of a signed confidentiality agreement. In the event of a medical emergency, compositional information will be provided to a physician or nurse. This product is not considered hazardous.

This mixture does not contain any substances to be mentioned according to REACH annex II.

This product is considered an article and does not require an SDS.

### Section 4. FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

- Inhalation:** Inhalation exposure unlikely due to form. Like other inert materials, dust can be mechanically irritating. In case of accidental inhalation of nuisance dust or fumes from overheating or combustion, move to fresh air. Seek medical attention if cough or other symptoms develop.
- Skin Contact:** Skin absorption unlikely given this product is an inert solid. Wash with soap & water. For skin contact with molten material, cool with water, remove clothing, jewelry, and gross debris from the burned area. Leave blisters intact. Get medical attention.
- Eye Contact:** Like other inert particles, nuisance dust generated during cutting operations may be mechanically irritating to the eyes. Flush eyes with plenty of water. Remove contact lenses if easily possible. If eye irritation persists seek medical attention.
- Ingestion:** Not likely to be ingested in present form. In the unlikely event that the film is ingested, do not induce vomiting without medical advice.

#### 4.2 Most Important Symptoms and Effects, both Acute and Delayed

- Symptoms/Injuries:** Mechanical irritant effects from nuisance dust or inhalation of fumes caused by overheating or combustion may include stinging, tearing, redness, blurred vision or coughing.

#### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

- Attention/Treatment:** Provide general supportive measures. No health conditions aggravated by exposure are identified.
- General:** Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.

### Section 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

**Suitable Extinguishing media:** CO<sub>2</sub>, foam, dry chemical, or water spray

**Unsuitable Extinguishing media:** None

#### 5.2 Special Hazards Arising from the Mixture

**Specific Hazards:** Upon decomposition, this product may emit carbon monoxide, olefinic & paraffinic compounds and/or form trace amounts of organic acids, ketones, aldehydes and/or alcohols.

#### 5.3 Advise for Firefighters

**Firefighting Instructions:** Cool with extinguishing media, remove heat source.

**Flammability Classification:** Not applicable. Polymer will burn but does not easily ignite.

**Protection during Firefighting:** Do not enter fire area without proper protective equipment. Wear positive pressure, self-contained

breathing apparatus (SCBA) when fighting a fire in any closed space.

## Section 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

**Non-emergency Personnel:** Evacuate unnecessary personnel

**Emergency Responders:** Wear the appropriate personal protective equipment for the task.

Ventilate the area.

### 6.2 Environmental Precautions

**Environmental Precautions:** Not applicable

### 6.3 Methods and Material for Containment and Cleaning Up

**Methods for Cleaning Up:** Clean up promptly by sweeping or vacuum. Place in clean, dry container and cover loosely. Store in waste container and recycle, incinerate or landfill in conformance with local disposal regulations.

## Section 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

**Safe Handling:** Minimize dust generation and accumulation during processing. Use routine housekeeping practice to ensure dusts do not accumulate. Heat only in areas with appropriate ventilation. Avoid exposure to heat, sparks or open flames.

### 7.2 Conditions for Safe Storage, including any Incompatibilities

**Safe Storage Conditions:** Store at ambient temperatures <40° C. Product should remain stretch wrapped or in the original package until conversion.

**Incompatible Materials:** Protect from excessive moisture or water. Do not expose to UV radiation (sunlight). Store away from immediate or dangerous sources of ignition. Avoid exposure to corrosive substances.

## Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control Parameters

**Occupational Exposure Limits:** Not established. Product is not considered to present a health hazard under reasonably anticipated conditions of use.

For dusty conditions, OSHA recommends for particulates not otherwise regulated an 8-hour TWA of 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Biological Limit Values:** Not established.

**Exposure Guidelines:** Occupational exposure to nuisance dust (total and respirable) should be monitored and controlled.

## 8.2 Exposure Controls

**Appropriate Engineering Controls:** Normal room ventilation is usually adequate. Ventilation rates should be matched to conditions. Maintain airborne levels to an acceptable level.

### Individual Protection Measures, such as Personal Protective Equipment:

**Eye/Face Protection:** None usually required under conditions of normal use. Wear eye/face protection appropriate for the specific hazard.

**Skin Protection:** None usually required under conditions of normal use.

**Hand protection:** None usually required under conditions of normal use. Use protective gloves if handling hot plastic.

**Respiratory Protection:** None usually required under conditions of normal use.

**Thermal Hazards:** None usually required under conditions of normal use. Wear appropriate thermal apparel for handling hot or molten product

**General Use Statement:** Follow individual plant safety rules. Practice good personal hygiene measures and good housekeeping.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Sheet on roll
<b>Color:</b>	blue
<b>Odor:</b>	Negligible; faint, mild hydrocarbon odor
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Relative evaporation rate (butylacetate=1):</b>	No data available
<b>Melting Point:</b>	104 to 120°C (LL & LDPE)
<b>Freezing Point:</b>	No data available
<b>Boiling Point/Boiling Range:</b>	Not applicable

<b>Flash Point:</b>	No data available
<b>Decomposition temperature:</b>	Not data available
<b>Flammability:</b>	Not Classified. Polymer will burn but does not easily ignite
<b>Auto-ignition Temperature</b>	No data available
<b>Vapor Pressure:</b>	NIL
<b>Vapor Density:</b>	Not applicable
<b>Relative Density:</b>	0.88 – 0.99 (PE) / 1.63 (TiO <sub>2</sub> ) / (water = 1)
<b>Solubility (H<sub>2</sub>O):</b>	Insoluble
<b>Partition Coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Percent Volatiles:</b>	NIL

## Section 10. STABILITY AND REACTIVITY INFORMATION

<b>Reactivity:</b>	This product is stable and non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Material is stable under normal conditions of use and storage
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid:</b>	Heat, moisture, sunlight. Material will burn if exposed to open flame.
<b>Incompatible Materials:</b>	Strong oxidizing agents, fluorine
<b>Hazardous Decomposition:</b>	Oxides of nitrogen and carbon, and other toxic gases. Not expected to decompose under normal condition.

## Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Likely Routes of Exposure

<b>Ingestion:</b>	Not likely to be ingested in its current form. Single dose oral toxicity is considered to be extremely low.
<b>Inhalation:</b>	Not likely to be inhaled in its current form. Single exposure to dust is not likely to be hazardous.

**Skin Contact:** Essentially non-irritating to skin. Skin absorption unlikely due to physical form.

**Eye Contact:** Like other inert particles, dust may be mechanically irritating to the eyes.

## 11.2 Information on Toxicological Effects

**Acute Toxicity:** Not classified

**Skin corrosion/irritation:** Not classified

**Serious eye damage/eye irritation:** Not classified

**Respiratory sensitization:** Not classified

**Skin sensitization:** Not classified

**Germ cell mutagenicity:** Not considered to be a mutagenic

**Carcinogenicity:** Not listed by IARC, NTP, OSHA or EPA

**Reproductive toxicity:** Not believed to be a reproductive hazard

**Specific target organ toxicity/single exposure:** Not classified

**Specific target organ toxicity/repeated exposure:** Not classified

**Aspiration Hazard:** Due to physical form, not expected to be an aspiration hazard

**Chronic effects:** Not classified

### Symptoms related to the Physical, Chemical and toxicological Characteristics:

Mechanical irritant effects may include stinging, tearing, redness, blurred vision or coughing.

## 11.3 Other Toxicological Information

**Specific Toxicity Testing:** Specific toxicity testing has not been performed on this product. Hazard evaluation is based on information from similar products, raw material data and technical literature.

## Section 12. ECOLOGICAL INFORMATION

**Eco toxicity:** No indication this material is a risk to the environment. The chemicals are bound in the polymer matrix and not readily available.

**Persistence and Degradability:** No data is available on the degradability of this product

**Bio accumulative Potential:** This material is not expected to bio-accumulate.

**Mobility in Soil:** Not available.

**Results of PBT and vPvB Assessment:** Not available

**Other Adverse Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential,

endocrine disruption, global warming potential) are expected from this product.

### Section 13. DISPOSAL CONSIDERATIONS

**US EPA Waste Number & Descriptions:** No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions:** This product can be recycled and this is preferred to landfill disposal or incineration. If the ability to recycle is not available, dispose of unused material in accordance with federal, state, and local requirements.

**Hazardous Waste Code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused products:** Dispose of unused material in accordance with federal, state, and local requirements.

**Contaminated Packaging:** Packaging can be recycled and this is preferred to landfill disposal or incineration. If the ability to recycle is not available, dispose of unused packaging in accordance with federal, state, and local requirements.

**General Comments:** Processing, use or contamination of this product may change the waste management options.

### Section 14. TRANSPORT INFORMATION

#### 14.1 In Accordance with ADR / RID / IMDG / IATA / ADN

This product is not regulated for transportation.

**DOT:** Not regulated for transport.

**TDG (Canada):** Not regulated for transport.

**IMDG/IMO:** Not regulated for transport.

**ADR/RID:** Not regulated for transport.

**ICAO:** Not regulated for transport.

**Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

#### 14.2 Other

**UN Number:** Not regulated for transport.

**UN Proper Shipping Name:** Not applicable.

**Transport Hazard Class(es):** Not applicable

**Packing Group:** Not applicable

**Environmental Hazards:** No supplementary information available



### 14.3 Special Precautions for User

**Overland Transport:** No additional information available

**Transport by Sea:** No additional information available

**Air Transport:** No additional Available

## Section 15. REGULATORY INFORMATION

### 15.1 US Regulations

**US Federal Regulations:** This product is classified as non-hazardous per 29 CFR 1910.1200 based on its components.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

**Hazard Categories** Immediate Hazard – No  
 Delayed Hazard – No  
 Fire Hazard – No  
 Pressure Hazard – No  
 Reactivity Hazard - No

**SARA 302/304** Not regulated. This product contains no known chemicals regulated under SARA 302/304

**SARA 311/312** Not regulated. Based upon available information, this material is not classified as a health and/or physical hazard according to Section 311 & 312

**SARA 313 (TRI reporting)** Not regulated.

**Clean air Act (CAA) section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

**Clean air Act (CAA) section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated

**Safe Drinking Water act:** Not regulated

**Food & Drug Administration:** Not regulated.

**US STATE Reporting** Not regulated.

This product is manufactured with one or more raw materials that contain Titanium Dioxide and other additives encapsulated in a polymer matrix and therefore not in respirable form. Under normal conditions and use, the encapsulated additives are not expected to pose any health hazard. Only unbound particles are required to be labeled for California Proposition 65 or listed for State Right to Know regulations.

## 15.2 EU Regulations

**EU Regulations:** Contains no substances with Annex XVII restrictions.

## 15.3 National Regulations

### Regulatory Status:

All components are acceptable for use under:

Country	Inventory
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS
Korea	ECL
Philippines	PICCS
United States	TSCA

## Section 16. OTHER INFORMATION including DATE of PREPARATION or LAST REVISION

### 16.1 Date of Preparation and Last Revision

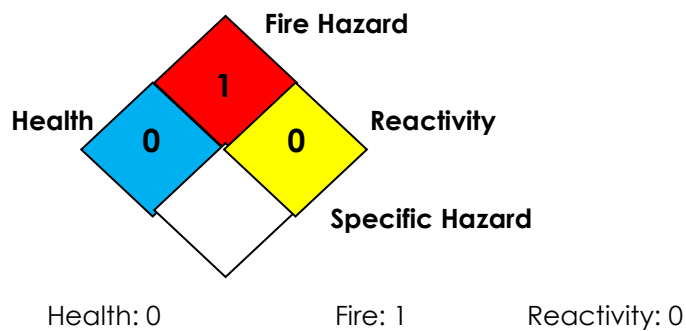
**Issue Date:** 4 April 2016

**Version:** 2

**Revision Date:** 6 April 2018

**Reason for Change:** Review – no change in content

### 16.2 HMIS Ratings



**HMIS Ratings:**

<b>Health</b>	<b>0</b>
<b>Fire Hazard</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	

Health: 0      Fire: 1      Reactivity: 0

### 16.3      **Caution**

Medical Application Caution: Do not use this material in medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues.

Do not use this material in medical applications involving brief or temporary implantation in the human body or permanent contact with internal body fluids or tissues.

### 16.4      **Other Information**

This Product is considered an article and does not require a safety data sheet (SDS). Classification of chemical components based on GHS (Globally Harmonized System of Classification and Labeling of Chemicals).

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**Reviewed by:** Mary Brilla