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**Revision date:** 16-Oct-2014**Supersedes:** 26-Sep-2013**MSDS Number:** 10674

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
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**Product name:** TINT-AYD® CW 5228 Phthalo Blue**Synonyms****Product Use Description:** Pigment dispersion**Company/Undertaking Identification**Elementis Specialties, Inc.  
469 Old Trenton Road  
East Windsor, NJ 08512  
USA  
Tel: +1 (609) 443-2000Elementis UK Ltd.  
c/o Elementis GmbH  
Stolberger Str. 370  
50933 Cologne, Germany  
Tel. +49 (0) 221 2923 2000**Emergency telephone number** For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at: 1-800-424-9300 or 1-703-527-3887

For ALL other inquiries about this product, call Elementis Specialties at: 1-609-443-2000 (USA) or +(49)-221-2923-2000 (EU)

Product\_Stewardship@elementis.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Appearance:** Liquid  
**Color:** Blue  
**Odor:** Ammoniacal

#### Caution

**Causes eye burns**  
**May be harmful if swallowed**  
**May cause irritation of respiratory tract**  
**May cause skin irritation and/or dermatitis**  
**Harmful to aquatic life with long lasting effects**

#### Potential health effects:

**Eye contact:** Causes burns. Risk of serious damage to eyes. Signs and symptoms include burning, tearing, redness and swelling.

**Skin contact:** May cause skin irritation and/or dermatitis.

**Inhalation:** May cause irritation of respiratory tract. Vapors may cause drowsiness and dizziness.

**Ingestion** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Routes of exposure:** Inhalation, Skin, Ingestion

**Target Organs:** Eyes

**Environmental hazard:** See Section 12, below

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components

Components	CAS-No	Weight %
1,2-Propylene glycol	57-55-6	2.5 - 10 %
Tallow amine, ethoxylated	61791-26-2	2.5 - 10%

This product is considered hazardous as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

## 4. FIRST AID MEASURES

**Inhalation:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.

**Skin contact:** Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

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<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this SDS or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
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## 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	211 °F / 99 °C
<b>Flash Point Method:</b>	ASTM D3278
<b>Autoignition temperature:</b>	Not self-igniting
<b>Explosive properties:</b>	LEL: 2.6 Vol% UEL: 12.5 Vol%
<b>Unusual Fire and Explosion Hazards:</b>	Emits toxic fumes under fire conditions.
<b>Reactivity Hazard:</b>	None known
<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ), Dry powder, Dry sand, Alcohol-resistant foam
<b>Hazardous combustion products:</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ).
<b>Special Fire Fighting Procedure:</b>	Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Use personal protective equipment.
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Prevent product from entering drains. Clean contaminated surface thoroughly. Local authorities should be advised if significant spillages cannot be contained.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.
<b>Storage:</b>	DO NOT FREEZE. Keep container tightly closed. Store at room temperature in the original container.
<b>Additional Storage:</b>	Not required under normal use

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Maintain adequate engineering controls and/or ventilation to keep hazardous ingredients below their statutory limits. Use an approved respirator whenever exposure limits are exceeded.

### Personal Protective Equipment

**Eye protection** Tightly fitting safety goggles.

**Skin and body protection** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

**Hand protection** Protective gloves, Neoprene gloves

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice

### Exposure controls

Components	WEEL Ceiling	WEEL TWA	ACGIH	WEEL STEL
1,2-Propylene glycol		10 mg/m <sup>3</sup>		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid

**Color:** Blue

**Odor:** Ammoniacal

**Physical state:** Liquid (paste)

**Vapor pressure:** < 1.0

**Vapor density:** 2.62

**Molecular weight:** No data available

**Boiling point/range:** 367 °F / 187°C

**Solubility:** Water Miscible

**Density:** 1.15 g/cm<sup>3</sup>

**Bulk density:** 9.6 lbs/gal

**Flash Point:** 211 °F / 99 °C

**Explosive properties:** Not explosive.

**Ignition temperature:** 670 °F / 371°C

### Solvent content:

**Water content:** ~ 56 %

**Evaporation rate:** < 1.0

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Heat, flames and sparks

**Materials to avoid:** Oxidizing agents

**Hazardous decomposition products:** None reasonably foreseeable

**Possibility of Hazardous Reactions:** None known

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information:** No data is available on the product itself

Components	LC50/inhalation	LD50/Dermal	LD50/Oral
1,2-Propylene glycol	No data available	20800 mg/kg	30 g/kg
Tallow amine, ethoxylated	No data available	> 10 g/kg (rat)	620 mg/kg (Rat)

### Local effects

**Skin contact:** No data available.

**Eye contact:** No data available.

**Inhalation:** No data available.

**Ingestion** No data available.

**Sensitization** No sensitizing effects known.

**Chronic toxicity:** No data is available on the product itself

### Specific effects

**Carcinogenic effects:** There are no known carcinogenic chemicals in this product

**Target Organs:** Eyes

## 12. ECOLOGICAL INFORMATION

### Product Information

**Ecotoxicity Effects** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Aquatic toxicity:**

Components	LC50	EC50	Bioaccumulation Concentration Factor	No Observable Effect Concentration/96hr/48hr/24hr (NOEC)
1,2-Propylene glycol	51,400 g/L (Pimephales promelas; 96hr static)	10 g/L (water flea; 48hr) 19 g/L (Pseudokirchneriella subcapitata; 96hr)	No data available	No data available
Tallow amine, ethoxylated	1 - 10 mg/L (Daphnia magna)	No data available	No data available	No data available

**Product Information:** No data available

**Persistence and degradability:** No data available

**Environmental Fate and Pathways:**

**Physical / Chemical:** No data available

**Mobility:** No data available.

**Biodegradability:** No data available

**Bioaccumulative potential:** No data available.

**BOD/COD:**

**COD-value:** No data available

**BOD5-value:** No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products** Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with Local and National regulations.

**RCRA Hazardous Waste:**

**RCRA:** Not listed

### 14. TRANSPORT INFORMATION

**U.S. Department of Transportation Ground (49 CFR):** Not regulated

**International Air Transportation (ICAO/IATA):** Not regulated

**International Maritime Organization (IMO/IMDG):** Not regulated

**Surface Shipments in Europe (ADR/RID):** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

USA (TSCA):	Listed
EU (EINECS):	Listed
CANADA (DSL)	Listed
CANADA (NDSL):	Not applicable
JAPAN (ENCS):	Listed
China (IECSC)	Listed
PHILIPPINES (PICCS):	Listed
KOREA (KECL):	Listed
AUSTRALIA (AICS):	Listed
NEW ZEALAND (NZIoC):	Listed
TAIWAN (NECSI):	Listed

### U.S. Regulations

#### TSCA Section 12(b) Export Notification

This product does not contain chemicals that are required to be notified under the TSCA 12(b) Export Notification.

#### SARA Title III:

<b>Section 302 EHS:</b>	None
<b>Section 311/312:</b>	Acute Health Hazard
<b>Section 313:</b>	This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

Components	EPCRA (SARA Title III) Section 313 Toxic Chemical
Phthalocyanine blue (CAS # 147-14-8)	Listed

#### California Prop. 65:

Not listed

#### Canada

**WHMIS hazard class:** Contains Propylene glycol 5-10%

D2B Skin or Eye irritation

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**HMIS:**

Health: 1  
Flammability: 1  
Physical Hazard: 0

**This Material Safety Data Sheet 1 - 15  
contains changes from the  
previous version in Sections:**

**Previous Revision Date:** 26-Sep-2013

Key/Legend: N/A: Not applicable  
N/D: Not determined  
ppm: Parts per million  
X: Listed

**Prepared by** Product Stewardship

The information provided in this Safety Data Sheet is correct to the best of ELEMENTIS' knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such product when used in combination with any other material or in any process, unless specified in this SDS. ELEMENTIS specifically disclaims any liability for any loss, injury or damage which may result from use or misuse of this product.

All chemicals should be handled only by competent personnel, within a controlled environment. It is the buyer's/user's responsibility to ensure that his activities comply with all applicable federal, state, provincial and local laws, and to determine the conditions necessary for the safe use of this product. ELEMENTIS urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.