

Revision date: 30-Jun-2011

Supersedes: 18-Mar-2011

MSDS Number: 10689

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product name:** TINT-AYD® CW 5673

**Product Use Description:** Pigment dispersion

**Company/Undertaking Identification:**

Elementis Specialties, Inc. 329 Wyckoffs Mill Road Hightstown, NJ 08520 USA Tel: (609) 443-2000	Elementis UK Ltd. c/o Elementis GmbH Stolberger Str. 370 50933 Cologne, Germany Tel. +49 (0) 221 2923 2000
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**Emergency telephone number:** CHEMTREC Emergency Response Number: 1-800-424-9300 (1-703-527-3887)  
SGS Emergency Response Number: + 32 (0)3 575 55 55

Product\_Stewardship@elementis.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Appearance:** Liquid  
**Color:** Red  
**Odor:** Ammoniacal

**WARNING**

**May be harmful if swallowed**  
**Irritating to eyes**  
**May cause irritation of respiratory tract**  
**May cause skin irritation and/or dermatitis**  
**Vapours may cause drowsiness and dizziness**  
**Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment**

**Potential health effects:**

**Eye contact:** Irritating 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

**See Sections 11 & 12 for additional toxicological and ecological information**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Components	CAS-No	Weight %
Amines, tallow alkyl, ethoxylated	61791-26-2	2.5 - 10%
Nonylphenol, branched, ethoxylated	68412-54-4	< 2.5%
5-Decyne-4,7-diol,2,4,7,9-tetramethyl	126-86-3	< 2.5%

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. If eye irritation persists, consult a specialist.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### 5. FIRE-FIGHTING MEASURES

**Flash Point:** > 211 °F / > 99 °C

**Flash Point Method:** ASTM D3278

**Lower Flammable Limit:** 2.6 Vol%

**Upper Flammable Limit:** 12.5 Vol%

**Autoignition temperature:** Not selfigniting

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

**Reactivity Hazard:** None known

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Hazardous combustion products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>).

**Special Fire Fighting Procedure:** Wear self contained breathing apparatus for fire fighting if necessary

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Clean-up methods:** 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

**Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.

**Storage:** DO NOT FREEZE. Keep container tightly closed. Store at room temperature in the original container.

**Additional Storage:** Not required under normal use

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Maintain adequate ventilation to keep hazardous ingredients below their PELs or TLVs. Use NIOSH/MSHA approved respirator whenever exposure limits exceeded.

### Personal Protective Equipment

**Eye protection:** Safety glasses

**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

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**TLV/PEL:** Not established

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Liquid

**Color:** Red

**Odor:** Ammoniacal

**Physical state:** Liquid

**Vapor pressure:** < 1.0 mm Hg @ 25°C  
23.0 hPa @ 20°C

**Vapor density:** 2.62

**Boiling point/range:** > 368 °F / >187 °C

**Solubility:** Water Miscible

**Density:** 1.07 g/cm<sup>3</sup>

**Bulk density:** 9.0 lbs/gal

**Flash Point:** > 211 °F / > 99 °C

**Ignition temperature:** 371.0 (°C)

**Solvent content:**

**Percent Volatile:** ~ 7.5 %

**Water content:** ~ 53.0 %

**VOC content:** 1.85 lbs/gal; 222 g/L

**Evaporation rate:** < 1.0

## **10. STABILITY AND REACTIVITY**

**Stability:** Stable at normal conditions

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

**Materials to avoid:** Oxidizing agents

**Hazardous decomposition products:** No decomposition if stored normally

**Possibility of Hazardous Reactions:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Components	LC50/inhalation/4h/Rat	LD50/Dermal/Rat	LD50/Oral/Rat
Amines, tallow alkyl, ethoxylated	No data available	> 10 g/kg (rat)	620 mg/kg
Nonylphenol, branched, ethoxylated	No data available	No data available	No data available

### Local effects

<b>Skin irritation:</b>	May cause skin irritation and/or dermatitis.
<b>Eye irritation:</b>	Irritating to eyes.
<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Ingestion:</b>	May be harmful if swallowed, avoid ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic toxicity:</b>	See table and/or data, below

### Specific effects

<b>Carcinogenic effects:</b>	No classification data on the carcinogenic properties of this material is available from the IARC, NTP or OSHA
<b>Target Organs:</b>	Eyes

Components	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Nonylphenol, branched, ethoxylated	Group III Chemical	

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity:

<b>Product Information:</b>	No data available
<b>Persistence and degradability:</b>	No data available

### Environmental Fate and Pathways:

<b>Mobility:</b>	No data available
<b>Biodegradability:</b>	No data available

**Bioaccumulative potential:** No data available

**Physical / Chemical:** 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):**

**Proper shipping name:** Not regulated

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Not regulated

**International Maritime Organization (IMO/IMDG):**

**Proper shipping name:** Not regulated

**Surface Shipments in Europe (ADR/RID):**

**Proper shipping name:** Not regulated

### **15. REGULATORY INFORMATION**

**Heavy metals:**

**Heavy metals content (ppm):** Not applicable

**International Inventories**

<b>TSCA/</b> <b>(USA)</b>	Listed	<b>EINECS/</b> <b>(EU)</b>	Listed
<b>DSL/</b> <b>(CANADA)</b>	Listed	<b>NDSL/</b> <b>(CANADA)</b>	Not applicable
<b>ENCS/</b> <b>(JAPAN)</b>	Listed	<b>IECSC/</b> <b>(CHINA)</b>	Listed
<b>PICCS/</b> <b>(PHILLIPINES)</b>	Listed	<b>KECL</b> <b>(KOREA)</b>	Listed
<b>AICS/</b> <b>(AUSTRALIA)</b>	Listed	<b>HSNO/</b> <b>New Zealand:</b>	Listed
<b>NECSI/</b> <b>(TAIWAN)</b>	Not 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>	None
<b>Section 313:</b>	Not listed	Ammonia (CAS # 7664-41-7)	<i>Listed</i>

**California Prop. 65:**

Not listed

**Canada**

**WHMIS hazard class:** Contains Propylene glycol @ ~ 7.5%

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.

<b>16. OTHER INFORMATION</b>
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**HMIS:**

Health:	1
Flammability:	1
Reactivity:	0

**This Material Safety Data Sheet contains changes from the previous version in Sections:** 2, 3, 9, 14, 15

**Previous Revision Date:** 18-Mar-2011

**Key/Legend:**

N/A: Not applicable

N/D: Not determined

ppm: Parts per million

X: Listed

**Prepared by:** Product Stewardship

The data set forth in these sheets are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. ELEMENTIS SPECIALTIES makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereon.

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