

Revision date: 20-Dec-2010

Supersedes: 03-Dec-2008

MSDS Number: 10685

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

**Product name:** TINT-AYD® CW 5451

**Product Use Description:** Pigment dispersion

<b>Company/Undertaking Identification:</b>	Elementis Specialties, Inc.	Elementis UK Ltd.
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	Hightstown, NJ 08520	Stolberger Str. 370
	USA	50933 Cologne, Germany
	Tel: (609) 443-2000	Tel. +49 (0) 221 2923 2000

**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:** Light yellow  
**Odor:** Ammoniacal

**WARNING**

**Harmful if swallowed**  
**May cause slight eye irritation**  
**May cause irritation of respiratory tract**  
**May cause skin irritation and/or dermatitis**  
**Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment**

**Potential health effects:**

**Eye contact:** May cause slight eye irritation. 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.

**Ingestion:** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

**Target Organs:** None

**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 %
5-Decyne-4,7-diol,2,4,7,9-tetramethyl	126-86-3	< 2.5%
Amines, tallow alkyl, ethoxylated	61791-26-2	2.5 - 10%
Nonylphenol, branched, ethoxylated	68412-54-4	< 2.5%

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

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	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

<b>Flash Point:</b>	225 °F / 107 °C
<b>Flash Point Method:</b>	ASTM D3278
<b>Lower Flammable Limit:</b>	2.6 Vol.%
<b>Upper Flammable Limit:</b>	12.6 Vol.%
<b>Autoignition temperature:</b>	Not selfigniting
<b>Unusual Fire and Explosion Hazards:</b>	Emits toxic fumes under fire conditions.
<b>Reactivity Hazard:</b>	None known
<b>Suitable extinguishing media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Hazardous combustion products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

**Special Fire Fighting Procedure:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Evacuate personnel to safe areas. 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 spill area 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:** Use adequate local exhaust ventilation if airborne dusts, mists, or vapors will be generated. Use NIOSH/MSHA approved respirator whenever exposure limits exceeded.

### Personal Protective Equipment

<b>Eye protection:</b>	Safety glasses
<b>Skin and body protection:</b>	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place
<b>Respiratory protection:</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit
<b>Hand protection:</b>	Protective gloves, Neoprene gloves
<b>Hygiene measures:</b>	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:	Light yellow
Odor:	Ammoniacal
Physical state:	Liquid
Vapor pressure:	< 1.0 mm Hg @ 25C
Vapor density:	2.62
Boiling point/range:	369 °F / 187 °C
Solubility:	Water Miscible
Density:	1.87 g/cm <sup>3</sup>
Bulk density:	15.6 lbs/gal
Flash Point:	225 °F / 107 °C
Ignition temperature:	371.0 (°C)
<u>Solvent content:</u>	
Percent Volatile:	5 %
Water content:	25 - 30 %
VOC content:	1.77 lbs.gal; 212 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

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### Acute toxicity

Components	LC50/inhalation/4h/Rat	LD50/Dermal/Rat	LD50/Oral/Rat
Amines, tallow alkyl, ethoxylated	No data available	No data available	620 mg/kg (rat)
Nonylphenol, branched, ethoxylated	No data available	No data available	200 - 2000 mg/kg (rat, literature)

**Product Information:** No data available

### Local effects

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

**Eye irritation:** Contact with eyes may cause irritation.

**Inhalation:** May cause irritation of respiratory tract.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic toxicity:** See table and/or data, below

### Specific effects

**Carcinogenic effects:** No classification data on the carcinogenic properties of this material is available from the IARC, NTP or OSHA

**Target Organs:** None

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity:

**Product Information:** No data available

**Persistence and degradability:** No data available

### Environmental Fate and Pathways:

**Mobility:** No data available

**Biodegradability:** 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**

TSCA/ (USA)	Listed	EINECS/ (EU)	Listed
DSL/ (CANADA)	Listed	NDSL/ (CANADA)	Not applicable
ENCS/ (JAPAN)	Listed	IECSC/ (CHINA)	Listed
PICCS/ (PHILLIPINES)	Listed	KECL (KOREA)	Listed
AICS/ (AUSTRALIA)	Listed	HSNO/ New Zealand:	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:**

**Section 302 EHS:** None **Section 311/312:** Acute Health Hazard

**Section 313:** Not listed

**California Prop. 65:**

Not listed

**Canada**

**WHMIS hazard class:** Contains Propylene glycol @ 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.

## 16. OTHER INFORMATION

**HMIS:**

Health: 1  
Flammability: 1  
Reactivity: 0

**Previous Revision Date:** 03-Dec-2008

**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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