



Revision date: 31-Dec-2013

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MSDS Number: 10658

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

**Product name:** TINT-AYD® CW 5600

**Synonyms:**

**Product Use Description:** Pigment dispersion

**Company/Undertaking Identification:**

Elementis Specialties, Inc.  
469 Old Trenton Road  
East Windsor, NJ 08512  
USA  
Tel: +1 (609) 443-2000

Elementis 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:** Red  
**Odor:** Ammoniacal

### WARNING

**Harmful by inhalation**  
**May cause slight eye irritation**  
**May cause irritation of respiratory tract**  
**May cause skin irritation and/or dermatitis**  
**Vapours may cause drowsiness and dizziness**

### 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. Vapors may cause drowsiness and dizziness.

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

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

**Target Organs:** Respiratory system

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components

Components	CAS-No	Weight %
Iron oxide	1309-37-1	25 - 50 %
Amines, tallow alkyl, ethoxylated	61791-26-2	< 2.5 %
Isopropyl alcohol	67-63-0	< 2.5 %
Nonylphenol, branched, ethoxylated	68412-54-4	< 1.0%

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.

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<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<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.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	225 °F / 107 °C
<b>Flash Point Method:</b>	ASTM D3278
<b>Autoignition temperature:</b>	Not self-igniting
<b>Explosive properties:</b>	LEL: 2.6 Vol% UEL: 12.6 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>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
<b>Hazardous combustion products:</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</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. Clean contaminated surface thoroughly. Local authorities should be advised if significant spillages cannot be contained.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Remove all sources of ignition. 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. Keep product and empty container away from heat and sources of ignition.

**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:** Wear face protection.

**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

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

### Exposure controls

Components	OSHA STEL	OSHA PEL	OSHA TWA	OEL - Long-term TWA
Iron oxide		10 MGM3 (dust and fume as Fe)	10 MGM3 (dust and fume as Fe)	
Isopropyl alcohol	500 ppm 1225 mg/m <sup>3</sup>	980 MGM3 400 ppm	400 ppm 980 mg/m <sup>3</sup>	
Components	ACGIH STEL	ACGIH TWA	ACGIH Ceiling	ACGIH - Threshold Limit Values TLV Basis - Critical Effects
Iron oxide		5 mg/m <sup>3</sup> (respirable fraction)		pneumoconiosis
Isopropyl alcohol	400 ppm	200 ppm		CNS impairment eye and upper respiratory tract irritation
Components	WEEL Ceiling	WEEL TWA	ACGIH - Carcinogens	WEEL STEL
Iron oxide			A4 Not Classifiable as a Human Carcinogen	
Isopropyl alcohol			A4 Not Classifiable as a Human Carcinogen	

Components	ACGIH - Skin Absorption Designation	ACGIH - Biological Exposure Indices (BEI)	ACGIH - Sensitization (SEN) Notations	ACGIH - Simple Asphyxiants
Isopropyl alcohol		40 mg/L urine end of shift at end of workweek Acetone background, nonspecific		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Color:</b>	Red
<b>Odor:</b>	Ammoniacal
<b>Physical state:</b>	Liquid
<b>Vapor pressure:</b>	< 1.0 mm Hg
<b>Vapor density:</b>	2.62
<b>Molecular weight:</b>	No data available
<b>Boiling point/range:</b>	369 °F / 187°C
<b>Solubility:</b>	Water Miscible
<b>Density:</b>	1.26 g/cm <sup>3</sup>
<b>Bulk density:</b>	10.5 lbs/gal
<b>Flash Point:</b>	225 °F / 107 °C
<b>Explosive properties:</b>	Not explosive.
<b>Ignition temperature:</b>	371.0 (°C)
<b>Solvent content:</b>	
<b>Water content:</b>	~ 50 %
<b>VOC content:</b>	3.58 lbs/gal; 428 g/L
<b>Evaporation rate:</b>	< 1.0

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Conditions to avoid:</b>	Heat, flames and sparks

<b>Materials to avoid:</b>	Oxidizing agents
<b>Hazardous decomposition products:</b>	None reasonably foreseeable
<b>Possibility of Hazardous Reactions:</b>	None known

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Components	LC50/inhalation	LD50/Dermal	LD50/Oral
Iron oxide	No data available	No data available	> 10 g/kg
Amines, tallow alkyl, ethoxylated	No data available	No data available	620 mg/kg (rat)
Isopropyl alcohol	72.6 mg/L	12.8 g/kg (rabbit)	5045 mg/kg
Nonylphenol, branched, ethoxylated	No data available	No data available	200-2000 mg/kg (rat, literature)

### Local effects

<b>Skin contact:</b>	May cause skin irritation and/or dermatitis.
<b>Eye contact:</b>	Contact with eyes may cause irritation.
<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic toxicity:</b>	See table and/or data, below

### Specific effects

Components	NTP	IARC	OSHA
Iron oxide		Group 3- Unclassifiable as to Carcinogenicity to Humans	
Isopropyl alcohol		Group 3 - Unclassifiable as to Carcinogenicity to Humans	

**Target Organs:** Respiratory system

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

## 12. ECOLOGICAL INFORMATION

### Product Information

**Ecotoxicity Effects** The environmental impact of this product has not been fully investigated.

**Aquatic toxicity:**

Components	LC50	EC50	Bioaccumulation Concentration Factor	No Observable Effect Concentration/96hr/48hr/24hr (NOEC)
Iron oxide	No data available	> 5000 mg/L (Pseudomonas fluorescens)	No data available	No data available
Isopropyl alcohol	6.55 - 10.4 g/L (fathead minnows)	13299 mg/L (Daphnia magna; 48hr) 1000 mg/L (S. subspicatus; 96hr)	No data available	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):**

**Proper shipping name:** Not regulated

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

**Proper shipping name:** Not regulated

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

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

Proper shipping name: 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 (HSNO):	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:**

Section 302 EHS: None

Section 311/312: Acute Health Hazard

Section 313: 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
Isopropyl alcohol (CAS # 67-63-0)	Listed

**California Prop. 65:**

Not listed

**Canada**



**WHMIS hazard class:** Contains Propylene Glycol @ ~11%

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

**Previous Revision Date:** 20-Dec-2010

**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.

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