

Revision date: 14-Feb-2012

Supersedes: 25-Jul-2008

MSDS Number: 10676

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

**Product name:** TINT-AYD® CW 5331

**Product Use Description:** Pigment dispersion

<b>Company/Undertaking Identification:</b>	Elementis Specialties, Inc.	Elementis UK Ltd.
	329 Wyckoffs Mill Road	c/o Elementis GmbH
	Hightstown, NJ 08520	Stolberger Str. 370
	USA	50933 Cologne, Germany
	Tel: (609) 443-2000	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**

<b>Appearance:</b>	Liquid
<b>Color:</b>	Black
<b>Odor:</b>	Ammoniacal

**WARNING**

**May be harmful if swallowed**  
**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:**

<b>Eye contact:</b>	May cause slight eye irritation. Signs and symptoms include burning, tearing, redness and swelling.
<b>Skin contact:</b>	May cause skin irritation and/or dermatitis.

<b>Inhalation:</b>	May cause irritation of respiratory tract. Vapors may cause drowsiness and dizziness. Long term exposure to airborne concentrations may cause lung damage.
<b>Ingestion:</b>	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Routes of exposure:</b>	Inhalation, Skin, Ingestion
<b>Target Organs:</b>	Lungs

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 %
Carbon Black	1333-86-4	25 - 50%

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. 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>	210 °F / 99 °C
<b>Flash Point Method:</b>	ASTM D3278
<b>Autoignition temperature:</b>	Not selfigniting
<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.

- 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. Clean spill area 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. 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:** 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**

Components	OEL - Long-term TWA	OES - Short-term STEL
Carbon black, amorphous	3.5 mg/m <sup>3</sup>	7 mg/m <sup>3</sup>

Components	OSHA STEL	OSHA PEL	OSHA TWA	ACGIH STEL	ACGIH TWA
Carbon black, amorphous		3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>		3 mg/m <sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid
<b>Color:</b>	Black
<b>Odor:</b>	Ammoniacal
<b>Physical state:</b>	Liquid
<b>Vapor pressure:</b>	< 1.0 mm Hg
<b>Vapor density:</b>	2.62
<b>Boiling point/range:</b>	369 °F / 187 °C
<b>Solubility:</b>	Water Miscible
<b>Specific Gravity:</b>	1.16
<b>Bulk density:</b>	9.7 lbs/gal
<b>Flash Point:</b>	210 °F / 99 °C
<b>Ignition temperature:</b>	300 (°C)
<b>Explosive properties:</b>	Not explosive
<b><u>Solvent content:</u></b>	
<b>Water content:</b>	~ 51 %
<b>VOC content:</b>	2.09 lbs/gal; 250 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

**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
Carbon black, amorphous	No data available	> 3000 mg/kg	>15400 mg/kg

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

**Sensitization:** No sensitizing effects known.

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

### Specific effects

Components	NTP	IARC	OSHA
Carbon black, amorphous		Group 2B- Possibly Carcinogenic to Humans	Present

**Carcinogenic effects:** Carbon black has been reviewed by IARC. There is inadequate evidence in humans for the carcinogenicity of Carbon black. There is sufficient evidence in experimental animals for the carcinogenicity of Carbon black and carbon black extracts. Therefore, IARC has classified Carbon black as possibly carcinogenic to humans (Group 2B).

**Target Organs:** Lungs

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity:

Components	LC50/96hr/48hr/24hr	EC50/96hr/48hr/24hr	Bioaccumulation Concentration Factor	No Observable Effect Concentration/96hr/48hr/24hr (NOEC)
Carbon black, amorphous	No data available	5600 mg/L (Daphnia magna; 24hr)	No data available	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
NECSI/ (TAIWAN)	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.

#### TSCA Section 5(a)(2) Proposed Significant New Use Rules (SNURs):

Not applicable

### SARA Title III:

Section 302 EHS: None

Section 311/312: Chronic Health Hazard

Section 313: Not listed

### California Prop. 65:

The following statement is made in order to comply with the California Safe Drinking Water and toxic Enforcement Act of 1986:

Components	Carcinogen	Reproductive toxicity	No significant risk level
Carbon Black	Listed		

### Canada

**WHMIS hazard class:** Contains Propylene glycol @ ~ 7%

D2A Possible, probable or known human carcinogen according to classifications by IARC or ACGIH.

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

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

**Previous Revision Date:** 25-Jul-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. ELEMENTIS SPECIALTIES warrants only that its products conforms with their published specifications, and no other express warranty is made with regards thereof. We do not guarantee favorable results, and we assume no liability in connection with the use of the products. They are intended for use by persons having technical skill and knowledge, at their own discretion and risk.