



MATERIAL SAFETY DATA SHEET

Revision date: 20-Dec-2010

Supersedes: 15-Jan-2002

MSDS Number: 10664

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

Product name: TINT-AYD® CW 5610

Product Use Description: Pigment dispersion

Company/Undertaking Identification:	Elementis Specialties, Inc.	Elementis UK Ltd.
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	Hightstown, NJ 08520	Stolberger Str. 370
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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

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. 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: 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

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.

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 (CO₂), Nitrogen oxides (NO_x).

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

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 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. Store at room temperature in the original container.

Additional Storage: 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

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

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
2.0 hPa @ 20°C

Vapor density: 2.62

Boiling point/range: 365-374 °F / 185-190 °C

Solubility: Water Miscible

Density: 1.93 g/cm³

Bulk density: 16.1 lbs/gal

Flash Point: 211 °F / 99 °C

Ignition temperature: 700 °F / 371 °C

Solvent content:

Percent Volatile: 6.5 %

Water content: 26.5 %

VOC content: 3.59 lbs/gal; 431 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	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 @ 13%

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: Not applicable

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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