
Revision date: 26-Sep-2013**Supersedes:** 22-Jul-2010**MSDS Number:** 10663

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

Product name: TINT-AYD® CW 5509**Synonyms:****Product Use Description:** Pigment dispersion**Company/Undertaking Identification:**Elementis Specialties, Inc.
469 Old Trenton Road
East Windsor, NJ 08512
USA
Tel: +1 (609) 443-2000Elementis 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 1-703-527-3887For 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: Brown
Odor: Ammoniacal

WARNING

Harmful if swallowed
May cause slight eye irritation
May cause irritation of respiratory tract
May cause skin irritation and/or dermatitis
CONTAINS CHEMICAL(S) WHICH MAY CAUSE CANCER
Risk of cancer depends on level and duration of exposure
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. Long term exposure to airborne concentrations may cause lung damage.

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

Routes of exposure: Inhalation, Skin, Ingestion

Target Organs: Lungs

Environmental hazard: See Section 12, below

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Components	CAS-No	Weight %
Iron oxide	1309-37-1	10 - 25%
Talc	14807-96-6	2.5 - 10%
Magnesium carbonate	546-93-0	2.5 - 10%
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-	126-86-3	< 2.5%
Nonylphenol, branched, ethoxylated	68412-54-4	< 2.5%
Tallow amine, ethoxylated	61791-26-2	< 2.5%
Crystalline Silica (Quartz)	14808-60-7	< 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.
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 SDS or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash Point:	225 °F / 107 °C
Flash Point Method:	ASTM D3278
Autoignition temperature:	Not self-igniting
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 ₂), Nitrogen oxides (NO _x).
Special Fire Fighting Procedure:	Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	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.
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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: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: Protective gloves, Neoprene 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)	
Talc		2 mg/m ³	2 mg/m ³	
Magnesium carbonate			15 mg/m ³	
Crystalline Silica (Quartz)		0.1 mg/m ³ (respirable fraction)	0.1 MGM3 (respirable fraction)	
Components	ACGIH STEL	ACGIH TWA	ACGIH Ceiling	ACGIH - Threshold Limit Values TLV Basis - Critical Effects
Iron oxide		5 mg/m ³ (respirable fraction)		pneumoconiosis
Talc		2 mg/m ³ (no asbestos & < 1% crystalline silica)		pulmonary fibrosis pulmonary function
Crystalline Silica (Quartz)		0.025 mg/m ³ (respirable fraction)		lung cancer pulmonary fibrosis
Components	WEEL Ceiling	WEEL TWA	ACGIH - Carcinogens	WEEL STEL
Iron oxide			A4 Not Classifiable as a Human Carcinogen	

Talc			A4 Not Classifiable as a Human Carcinogen containing no asbestos fibers	
Crystalline Silica (Quartz)			A2 Suspected Human Carcinogen	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Brown
Odor:	Ammoniacal
Physical state:	Liquid
Vapor pressure:	< 1.0 mm Hg @ 25°C 23.0 hPa @ 20°C
Vapor density:	2.62
Molecular weight:	No data available
Boiling point/range:	369 °F / 187°C
Freezing point:	< 0 °C
Solubility:	Water Miscible
Density:	1.42 g/cm ³
Bulk density:	11.8 lbs/gal
Flash Point:	225 °F / 107 °C
Explosive properties:	Not explosive.
Ignition temperature:	371 (°C)
Explosion limits:	LEL: 2.6 Vol% UEL: 12.6 Vol%
<u>Solvent content:</u>	
Water content:	~ 45 %
Evaporation rate:	< 1.0

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
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Conditions to avoid:	Heat, flames and sparks
Materials to avoid:	Oxidizing agents
Hazardous decomposition products:	None reasonably foreseeable
Possibility of Hazardous Reactions:	None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information: No data available

Components	LC50/inhalation	LD50/Dermal	LD50/Oral
Iron oxide	No data available	No data available	> 10 g/kg
Tallow amine, ethoxylated	No data available	> 10 g/kg (rat)	620 mg/kg (Rat)
Crystalline Silica (Quartz)	No data available	No data available	500 mg/kg

Local effects

Skin contact:	May cause skin irritation and/or dermatitis.
Eye contact:	Contact with eyes may cause irritation.
Inhalation:	May cause irritation of respiratory tract.
Ingestion:	Harmful if swallowed. 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

Carcinogenic effects: This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B)

Components	NTP	IARC	OSHA
Iron oxide		Group 3- Unclassifiable as to Carcinogenicity to Humans	
Crystalline Silica (Quartz)	Group A - Known to be human carcinogens	Group 1- Carcinogenic to Humans	Present

Target Organs: Lungs

Components	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances

Nonylphenol, branched, ethoxylated	Group III Chemical	
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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
Talc	>100 g/L (Fresh water, fish)	No data available	No data available	No data available
Tallow amine, ethoxylated	1 - 10 mg/L (Daphnia magna)	No data available	No data available	No data available
Crystalline Silica (Quartz)	No data available	No data available	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):

Proper shipping name: Not regulated

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, Chronic Health Hazard
Section 313:	Not listed

California Prop. 65:

This Product contains the following substance (s) known to the state of California to cause cancer and/or developmental effects.

Components	Carcinogen	Reproductive toxicity	No significant risk level
Crystalline Silica (Quartz)	Listed		

Canada**WHMIS hazard class:**

Contains Propylene glycol @ 6%

D2B Skin or Eye irritation

D2A Possible or known human carcinogen and/or Toxic to reproduction

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

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

Previous Revision Date: 22-Jul-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.

All chemicals should be handled only by competent personnel, within a controlled environment. It is the buyer's/user's responsibility to ensure that his activities comply with all applicable federal, state, provincial and local laws, and to determine the conditions necessary for the safe use of this product. ELEMENTIS urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.