

Revision date: 22-May-2013

Supersedes: 25-Jan-2002

MSDS Number: 10672

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

Product name: TINT-AYD® CW 5424

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 / Paste
Color: Yellow
Odor: Ammoniacal

WARNING

May cause eye irritation
 May cause skin irritation and/or dermatitis
 May cause irritation of respiratory tract
 May be harmful if swallowed

Potential health effects:

Eye contact: May cause eye irritation. Signs and symptoms include burning, tearing, redness and swelling.

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

Inhalation: May be harmful if inhaled. May cause irritation of respiratory tract.

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

Routes of exposure: Inhalation, Skin, Ingestion

Target Organs: None

Environmental hazard: See Section 12, below

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Components	CAS-No	Weight %
1,2-Propylene glycol	57-55-6	2.5 - 10 %
Proprietary additive		2.5 - 10 %

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: 211 °F / 99 °C

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 (CO₂), 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. Clean contaminated surface thoroughly. Prevent product from entering drains. 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: 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	WEEL Ceiling	WEEL TWA	WEEL STEL
1,2-Propylene glycol		10 mg/m ³	

TLV/PEL: Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid / Paste
Color:	Yellow
Odor:	Ammoniacal
Vapor pressure:	< 1.0 mmHg @ 25°C
Vapor density:	2.62 (Air = 1)
Molecular weight:	No data available
Boiling point/range:	365 - 374 (°F)
Solubility:	Water Miscible
Density:	1.13 g/cm ³
Flash Point:	211 °F / 99 °C
Explosive properties:	Not explosive.

Explosion limits: LEL: 2.6 Vol%
UEL: 12.5 Vol%

Solvent content:

Water content: 50 - 60 %

Evaporation rate: < 1.0 (BuAct=1)

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

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 is available on the product itself

Components	LC50/inhalation	LD50/Dermal	LD50/Oral
1,2-Propylene glycol	No data available	20800 mg/kg	30 g/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: 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

Carcinogenic effects: There are no known carcinogenic chemicals in this product

Target Organs: None

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)
1,2-Propylene glycol	51,400 g/L (Pimephales promelas; 96hr static)	10 g/L (water flea; 48hr) 19 g/L (Pseudokirchneriella subcapitata; 96hr)	No data available	No data available

Product Information: 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):	Not Listed
CANADA (DSL):	Not Listed
CANADA (NDSL):	Not applicable
JAPAN (ENCS):	Not Listed
CHINA (IECSC):	Not Listed
PHILIPPINES (PICCS):	Not Listed
KOREA (KECL):	Not Listed
AUSTRALIA (AICS):	Not Listed
NEW ZEALAND (HSNO):	Not Listed
TAIWAN (NECSI):	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.

SARA Title III:

Section 302 EHS:	None
Section 311/312:	None
Section 313:	Not listed

California Prop. 65:

Not listed

Canada**WHMIS hazard class:** Contains Propylene Glycol @ 5 - 10%

Non-controlled

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: 25-Jan-2002

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.