



Revision date: 21-Jun-2013

Supersedes: 21-Feb-2013

MSDS Number: 12202

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

Product name: DAPRO® FX 513

Synonyms:

Product Use Description: Coalescing agent

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: Clear, Yellow to Brown
Odor: Nearly odorless

CAUTION

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

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.

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

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

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: If eye irritation persists, consult a specialist. Rinse immediately with plenty of water, also under the eyelids.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

Flash Point:	> 212 °F / > 100 °C
Flash Point Method:	ASTM D6450
Autoignition temperature:	> 752 (°F)
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).
Decomposition temperature:	> 482 (°F)
Special Fire Fighting Procedure:	Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	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.
Storage:	Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty container away from heat and sources of ignition.
Additional Storage:	Suitable material: Carbon steel Stainless steel Plastic drum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Use adequate local exhaust ventilation if airborne dusts, mists, or vapors will be generated.

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: Breathing apparatus needed only when aerosol or mist is formed.

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: Clear, Yellow to Brown

Odor: Nearly odorless

Physical state: Liquid

pH: 7.5 - 8.5 (IPA/water)

Molecular weight: No data available

Boiling point/range: 235 (°C)

Melting point/range: < - 20°C (ASTM D97)

Solubility: Water Dispersible

Solubility in other solvents: Soluble in 2-propanol + toluene

Density: 0.92 g/cm³ (ISO 2811-2)

Flash Point: > 212 °F / > 100 °C

Decomposition temperature: > 482 (°F)

Ignition temperature: > 200 (°C)

Viscosity: < 25 mPas (ASTM D2196)

Solvent content:

Water content: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage 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 available

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: Contains no ingredient listed as a carcinogen

Target Organs: None

12. ECOLOGICAL INFORMATION

Product Information

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

Aquatic toxicity:

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):	Listed
CANADA (DSL):	Listed
CANADA (NDSL):	Not applicable
JAPAN (ENCS):	Listed
CHINA (IECSC):	Listed
PHILIPPINES (PICCS):	Not Listed
KOREA (KECL):	Listed
AUSTRALIA (AICS):	Not 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:	None
Section 313:	Not listed

California Prop. 65:

Not listed

Canada

WHMIS hazard class: 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

This Material Safety Data Sheet 2, 4 - 9, 11, 14, 15
contains changes from the
previous version in Sections:

Previous Revision Date: 21-Feb-2013

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.