

Revision date: 13-Mar-2012

Supersedes: 14-Sep-2010

MSDS Number: 10442

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

Product name: DAPRO® DF 1760

Product Use Description: Defoamer

Company/Undertaking Identification:	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

Appearance:	Liquid
Color:	Clear
Odor:	Mild

WARNING

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

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, ethoxylated (>1<4.5 EO)	9014-85-1	< 2.5%

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: 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 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: 230 °F / 110 °C

Flash Point Method: ASTM D3278

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: 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. 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:	Remove all sources of ignition. 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:	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: Clear
Odor: Mild
Physical state: Liquid
Vapor pressure: < 1.0 mm Hg @ 25°C
Vapor density: < 1.0
Boiling point/range: 250 °F / 121 °C
Solubility: Water Dispersible
Density: 1.01 g/cm³
Bulk density: 8.4 lbs/gal
Flash Point: 230 °F / 110 °C

Solvent content:

Water content: Not applicable

VOC content: 0.09 lbs/gal; 11 g/L

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: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity

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:	May be harmful if swallowed, avoid 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)	Not Listed	HSNO/ New Zealand:	Not 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.

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
Reactivity: 0

This Material Safety Data Sheet contains changes from the previous version in Sections: 1, 3, 5, 6, 9, 10, 11, 15

Previous Revision Date: 14-Sep-2010

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.