

# SAFETY DATA SHEET

Revision date 2014-03-05

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name** DAXAD® 17  
**Product code** 1748G  
**Synonyms** Sulfonated Naphthalene Condensate, Sodium Salt

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended use [RU]** No information available  
**Uses advised against** None known

### 1.3 Details of the supplier of the safety data sheet

**Supplier**

GEO Specialty Chemicals, Inc.  
739 Independence Parkway South  
Deer Park, TX 77536  
1-281-479-9525  
Hours: Monday-Friday 9:00-5:00 CST (Central Standard Time)

**Only representative**

GEO Specialty Chemicals UK Ltd  
Charleston Road, Hardley, Hythe  
Southampton, Hampshire SO45 3ZG  
United Kingdom  
Phone: +44 (0)23 80894666  
Fax No: +44 (0)23 80243113  
Hours: Monday-Friday 9:00-5:00 GMT (Greenwich Mean Time)

**Responsibility Statement** For further information, please contact [safety-data-sheet-fp@geosc.com](mailto:safety-data-sheet-fp@geosc.com)

### 1.4 Emergency telephone number

**Emergency telephone** 24 Hour Emergency Phone Number  
GEO Specialty Chemicals UK Ltd  
+44 (0)23 80891806

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**REGULATION (EC) No 1272/2008**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Classification according to Directive 67/548/EEC or 1999/45/EC**

For the full text of the R-phrases mentioned in this Section, see Section 16

**Indication of danger** Not dangerous

### 2.2 Label elements

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Signal word** Not classified

**Hazard statements**

None

**Precautionary statements**

None

**Classification according to Directive 67/548/EEC or 1999/45/EC**

**Indication of danger** Not dangerous

**R-Phrases**

None

**S-Phrases**

None

**2.3 Other information**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2 Mixtures**

Component name CAS Number	EU EINECS	weight-%	Classification according to 67/548/EEC
Naphthalenesulfonic acid, formaldehyde polymer, sodium salt 9084-06-4	Not applicable	81 - 92%	Not applicable
Sodium Sulfate 7757-82-6	231-820-9	6 - 12%	Not applicable
Water 7732-18-5	231-791-2	2 - 7%	Not applicable

Component name CAS Number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Regulations
Naphthalenesulfonic acid, formaldehyde polymer, sodium salt 9084-06-4	Not Classified as Hazardous	In compliance
Sodium Sulfate 7757-82-6	Not Classified as Hazardous	In compliance
Water 7732-18-5	Not Classified as Hazardous	In compliance

**For the full text of the R-phrases mentioned in this Section, see Section 16**

**For the full text of the H-Statements mentioned in this Section, see Section 16.**

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye contact**

Remove contact lenses, if worn. Immediately flush with plenty of water for at least 20 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek immediate medical attention.

**Skin contact**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and laundry before reuse.

**Ingestion**

Do NOT induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Get medical attention.

**Inhalation**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects**

No information available

**Aggravated Medical Conditions**

Existing skin, eye and lung conditions.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media**

Water mist. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Extinguishing media which must not be used for safety reasons**

No information available

### 5.2 Special hazards arising from the substance or mixture

**Special Hazard**

Use water spray to cool fire exposed surfaces.

### 5.3 Advice for firefighters

**Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

**Firefighting measures**

Cool exposed containers with water spray after extinguishing fire.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Wear suitable protective clothing and gloves.

### 6.2 Environmental precautions

**Environmental precautions**

Do not allow to enter sewer or surface and subsurface waters.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up**

Stop leaks. Clear spills immediately. Shovel into labeled waste container for reuse or disposal. Do not use vacuum truck because of corrosive nature of product. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Provide adequate ventilation to spill area.

### 6.4 Reference to other sections

See Section 12 for additional Ecological Information

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Advice on safe handling**

FOR INDUSTRIAL USE ONLY

Material is hygroscopic

Keep container closed when not in use

Avoid contact with eyes, skin and clothing

Avoid generation of dust

Avoid breathing dust

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Use only with adequate ventilation

Use respiratory protection where dust may be generated

Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**

Store in a cool, dry place to prevent product from caking.

### 7.3 Specific end use(s)

**Specific use(s)**

Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limit value

Component name CAS Number	European Union	United Kingdom	Spain	Germany
Naphthalenesulfonic acid, formaldehyde polymer, sodium salt 9084-06-4	NAV	NAV	NAV	NAV
Sodium Sulfate 7757-82-6	NAV	NAV	NAV	NAV
Water 7732-18-5	NAV	NAV	NAV	NAV

#### Biological limit values

Component name CAS Number	European Union	United Kingdom	Spain	Germany
Naphthalenesulfonic acid, formaldehyde polymer, sodium salt 9084-06-4	NAV	NAV	NAV	NAV
Sodium Sulfate 7757-82-6	NAV	NAV	NAV	NAV
Water 7732-18-5	NAV	NAV	NAV	NAV

#### Legend

NAV - Not available

### 8.2 Exposure controls

#### Personal Protective Equipment

##### Eye/face protection

Chemical goggles or a face shield if splashing hazard exists.

##### Hand protection

Appropriate chemical resistant gloves should be worn.

##### Respiratory protection

Use approved NIOSH respiratory protection if TLV exceeded or over exposure is likely. Follow manufacturer's recommendations.

##### Other Personal Protection Data

Eyewash fountains and safety showers must be easily accessible.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

##### Environmental exposure controls

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Color	amber
Appearance	granules

**Odor**  
**Odor threshold**

Slight mothball odor  
No information available

<b>Property</b>	<b>Values</b>	<b>Remarks</b>
<b>pH</b>	7 - 10.5	(1% solution)
<b>Melting / freezing point</b>	No information available	No information available
<b>Boiling point / boiling range</b>	No information available	No information available
<b>Flash point</b>	No information available	No information available
<b>Evaporation rate</b>	Not applicable	No information available
<b>Flammability (solid, gas)</b>	No information available	No information available
<b>Flammability Limit in Air</b>		
Upper flammability limit	No information available	No information available
Lower flammability limit	No information available	No information available
<b>Vapor pressure</b>	No information available	No information available
<b>Vapor density</b>	No information available	No information available
<b>Specific gravity</b>	No information available	No information available
<b>Solubility (water)</b>	miscible	No information available
<b>Solubility in other solvents</b>	No information available	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available	No information available
<b>Autoignition temperature</b>	No information available	No information available
<b>Decomposition temperature</b>	No information available	No information available
<b>Kinematic viscosity</b>	No information available	No information available
<b>Dynamic viscosity</b>	Not applicable	No information available
<b>Density</b>	No information available	No information available
<b>Bulk density</b>	No information available	No information available

## 9.2 Other information

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>Volatile organic compounds (VOCs) content</b>	No information available
<b>Percent Volatile, wt. %</b>	7 % max moisture

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

**Reactivity**  
No information available.

### 10.2 Chemical stability

**Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions****Hazardous polymerization**

Not anticipated under normal or recommended handling and storage conditions.

**10.4 Conditions to avoid****Conditions to avoid**

None

**10.5 Incompatible materials****Materials to avoid**

Oxidizing agents.

**10.6 Hazardous decomposition products****Hazardous decomposition products**

Carbon Monoxide and Carbon Dioxide. Sulphur oxides.

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute health hazard****Inhalation**

Dust may cause irritation of the respiratory tract.

**Eye contact**

May cause transient eye irritation.

**Skin contact**

Possible mild transient skin irritation on prolonged contact.

**Ingestion**

Considered slightly toxic.

**Acute toxicity**

<b>Oral LD50</b>	3250-4300 mg/kg (rat)
<b>Dermal LD50</b>	>16,000 mg/kg (rabbits)
<b>Inhalation LC50</b>	No information available

Acute Toxicity of Individual Components			
Component name CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Naphthalenesulfonic acid, formaldehyde polymer, sodium salt 9084-06-4	3800 mg/kg (Rat)	--	--
Sodium Sulfate 7757-82-6	10000 mg/kg (Rat)	--	--

**Skin corrosion/irritation**

No information available

**Serious eye damage/eye irritation**

No information available

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**

No information available

**Specific target organ toxicity - Single exposure**

No information available

**Specific target organ toxicity - Repeated exposure**

No information available

**Aspiration hazard**

No information available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute aquatic toxicity

<b>Fish</b>	LC50 >100 mg/L fathead minnow (promelas)
<b>Crustacea</b>	No information available
<b>Algae/aquatic plants</b>	No information available

Ecotoxicity of Individual Components			
Component name CAS Number	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Sodium Sulfate 7757-82-6	--	LC50 (96 h ) 13500 - 14500 mg/L (Pimephales promelas) LC50 (96 h ) = 13500 mg/L (Lepomis macrochirus) LC50 (96 h static) 3040 - 4380 mg/L (Lepomis macrochirus) LC50 (96 h static) > 6800 mg/L (Pimephales promelas)	EC50 (96 h ) = 630 mg/L (Daphnia magna) EC50 (48 h ) = 2564 mg/L (Daphnia magna)

### 12.2 Persistence and degradability

**Persistence and degradability**

Biodegradation under aerobic static laboratory conditions is low (BOD20 or BOD28/ThOD between 2.5 and 10%).

28-Day biochemical oxygen demand (BOD28) is 9.7% of ThOD.

Mean biodegradation reached in the Modified SCAS Test (OECD Test No. 302 A): 3.91%.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential**

No information available

### 12.4 Mobility in soil



**Mobility**

No information available

**12.5 Results of PBT and vPvB assessment****PBT and vPvB assessment**

No information available

**12.6 Other adverse effects****Other information**

No other ecological studies have been carried out on this product.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods****Disposal of wastes**

Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

**Contaminated packaging**

Since the emptied container retains product residue, all labeled hazard precautions must be observed.

## 14. TRANSPORT INFORMATION

**DOT (US)** Not regulated**14.1 UN number****14.2 Proper shipping name****14.3 Hazard class****14.4 Packing group****14.5 Environmental hazard****14.6 Special precautions for user****ADR/RID** Not regulated**14.1 UN number****14.2 Proper shipping name****14.3 Hazard class****14.4 Packing group****14.5 Environmental hazard****14.6 Special precautions for user****ADN** Not regulated**14.1 UN number****14.2 Proper shipping name****14.3 Hazard class****14.4 Packing group****14.5 Environmental hazard****14.6 Special precautions for user****ICAO/IATA** Not regulated**14.1 UN number****14.2 Proper shipping name****14.3 Hazard class****14.4 Packing group****14.5 Environmental hazard****14.6 Special precautions for user****IMDG** Not regulated**14.1 UN number****14.2 Proper shipping name**

**14.3 Hazard class****14.4 Packing group****14.5 Environmental hazard****14.6 Special precautions for user****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Harmonized Tariff Number 3911.90

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Switzerland - Toxic Substances Classification**

No information available

**International Inventories****Australia (AICS)**

All ingredients are on the inventory or exempt from listing

**Canada (DSL)**

All ingredients are on the inventory or exempt from listing

**Canada (NDSL)**

None of the ingredients are on the inventory.

**China (IECSC)**

All ingredients are on the inventory or exempt from listing

**EINECS (European Inventory of Existing Chemical Substances)**

All ingredients are on the inventory or exempt from listing

**ELINCS (European List of Notified Chemical Substances)**

All of the components of this product are not listed on ELINCS.

**ENCS (Japan)**

All ingredients are on the inventory or exempt from listing

**South Korea (KECL)**

All ingredients are on the inventory or exempt from listing

**Philippines (PICCS)**

All ingredients are on the inventory or exempt from listing

**TSCA (United States)**

All ingredients are on the inventory or exempt from listing

**Legend****AICS** - Australian Inventory of Chemical Substances**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**IECSC** - China Inventory of Existing Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

### 15.2 Chemical Safety Report

No information available.

**16. OTHER INFORMATION**

**Product code** 1748G

**Revision date** 2014-03-05

**Full text of R-phrases referred to under sections 2 and 3**

None

**Full text of H-Statements referred to under sections 2 and 3**

None

**Key or legend to abbreviations and acronyms used in the safety data sheet**

NAV - Not available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.**

**Additional information**

None

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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 material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text