

# SAFETY DATA SHEET

Revision date 2015-03-12

Revision number 1

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

### 1.1 Product identifier

Product name Hyonic® 25-FM-80  
Product code 1384N  
Synonyms Foaming Agent

### 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.  
701 Wissahickon Avenue  
Cedartown, GA 30125  
Phone: 1-770-748-1200  
Hours: Monday-Friday 9:00-5:00 EST (Eastern 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

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

Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2

#### 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 Xi - Irritant

R-code(s) Xi; R36/38

## 2.2 Label elements

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



**Signal word** WARNING

#### **Hazard statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

#### **Precautionary statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P337 + P313 - If eye irritation persists: Get medical advice/attention

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

**Indication of danger** Xi - Irritant



#### **R-Phrases**

R36/38 - Irritating to eyes and skin

#### **S-Phrases**

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

## 2.3 Other information

None known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Component	EU EINECS	weight-%	Classification according to 67/548/EEC
Surfactant Blend	Listed	< 35%	Xi; R36/38
Water 7732-18-5	231-791-2	> 65%	Not applicable

Component	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Regulations
Surfactant Blend	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	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**

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**

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

#### **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. Dermal ailments.

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

#### **Note to physicians**

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**

Slippery, can cause falls if walked on.

### 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 permit solutions of product into sewers or waterways.

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

**Methods for cleaning up**

Stop leaks. Soak up small spills with absorbent material. Shovel into labeled waste container for reuse or disposal. Clean up large spills with vacuum truck. Spills of solution are extremely slippery so all residue must be removed promptly. 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**

Keep container closed when not in use

Avoid contact with eyes, skin and clothing

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

Wash thoroughly after handling

Avoid breathing vapors, mist or gas.

Use only with adequate ventilation

Use respiratory protection where mists or vapors may be generated.

FOR INDUSTRIAL USE ONLY.

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

**Technical measures and storage conditions**

Do not store below 50° F (10° C).

Protect from freezing in storage and transit.

Mix thoroughly before use.

### 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	European Union	United Kingdom	Spain	Germany
Surfactant Blend	NAV	NAV	NAV	NAV

#### Biological limit values

Component	European Union	United Kingdom	Spain	Germany
Surfactant Blend	NAV	NAV	NAV	NAV

#### Legend

NAV - Not available

### 8.2 Exposure controls

#### Personal Protective Equipment

##### Eye/face Protection

Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

##### Hand Protection

Appropriate chemical resistant gloves should be worn.

##### Skin and body protection

Wear suitable protective clothing.

##### Respiratory protection

Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure above the listed occupational exposure limits.

##### 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	liquid
Color	light yellow
Appearance	No information available
Odor	mild
Odor threshold	No information available

Property	Values	Remarks
pH	7 - 10	solution (10 %)
Melting / freezing point	No information available	No information available

<b>Boiling point / boiling range</b>	No information available	No information available
<b>Flash point</b>	> 100 °C / > 212 °F	Pensky-Martens Closed Cup (PMCC)
<b>Evaporation rate</b>	No information available	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>	1.06	No information available
<b>Solubility (water)</b>	Soluble	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>	< 100 cps @ 25 °C	No information available
<b>Density</b>	8.8 lb/gal	No information available

## 9.2 Other information

<b>Bulk Density</b>	No information available
<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>	68 %

## 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 oxides. Ammonia. Nitrogen oxides (NOx). Sulphur oxides.

# **11. TOXICOLOGICAL INFORMATION**

## **11.1 Information on toxicological effects**

### **Acute health hazard**

**Eye contact**

Causes serious eye irritation.

**Skin contact**

May cause severe skin irritation. Prolonged or repeated exposure increases the risk.

**Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Inhalation**

Inhalation of mist causes irritation of respiratory system.

### **Acute toxicity - Product Information**

**Oral LD50** No information available**Dermal LD50** No information available**Inhalation LC50** No information available

### **Acute toxicity - Component Information**

<b>Component</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Surfactant Blend ( < 35% )	= 1950 mg/kg ( Rat )	--	--

**Skin corrosion/irritation**

Irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye irritation

**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 - Product Information

<b>Fish</b>	No information available
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<b>Crustacea</b>	No information available
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<b>Algae/aquatic plants</b>	No information available
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### 12.2 Persistence and degradability

**Persistence and degradability**

No information available

### 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. Do not put solutions containing this product into sewer systems.

**Contaminated packaging**

Since empty containers retain product residue, follow label warnings even after container is emptied



## 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

**Land transport (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

**Inland waterway transport (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

**Air transport (ICAO-TI / IATA-DGR)** 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

**Sea transport (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** 3402.11

## 15. REGULATORY INFORMATION

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

#### 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)**

None of the ingredients are on the inventory.

**ENCS (Japan)**

All ingredients are on the inventory or exempt from listing

**South Korea (KECL)**

Some ingredients are not on the inventory.

**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/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**IECSC** - China Inventory of Existing Chemical Substances

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified 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** 1384N

**Revision date** 2015-03-12

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

R36/38 - Irritating to eyes and skin

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

H315 - Causes skin irritation

H319 - Causes serious eye irritation

**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