



# SAFETY DATA SHEET

FOAMATION(R) Q 200

## 1. Identification of the substance/mixture and of the company/undertaking

---

**1.1 Product identifier:** FOAMATION(R) Q 200  
foaming agent

**Other means of identification:**

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

**Relevant identified uses:** Food products

**Uses advised against:** Not Available

### 1.3 Details of the Supplier of the Safety Data Sheet:

#### **SUPPLIER**

Ingredion Incorporated  
5 Westbrook Corporate Center  
Westchester, Il. 60154  
USA

#### EMERGENCY PHONES:

MEDICAL: 866-374-2659 (Health & Safety Call  
Center-24 hours)

Corporate Emergency Phone: 708-551-2600  
(24 hours)

SDS Requests/Customer Service: See phone  
numbers in Section 16

CHEMTREC - Emergency Telephone (Medical & Transport Incident With Product- 7Days/24 Hours)

The global (outside US) number: +1 703-741-5970

Australia: +(61)-290372994

China: 4001-204937

Hong Kong: 800-968-793\*

India: 000-800-100-7141\*

Indonesia: 001-803-017-9114\*

Japan: +(81)-3-4520-9637

Malaysia: +(60)-392125794, 1-800-815-308\*

New Zealand: +(64)-98010034

Philippines: +(63) 2-395-3308, 1-800-1-116-1020\*

Singapore: +(65)-31581349, 800-101-2201\*

South Korea: +(82) 070-7686-0086, 00-308-13-2549\*

Taiwan: +886-2-7741-4207\*, 00801-14-8954\*

Thailand: 001-800-13-203-9987\*

Vietnam: +(84)-444581938

\* Phone numbers for countries marked with an asterisk must be dialed within the country

SDS Requests and general information, please contact Local Customer Service: See phone numbers in Section 16

## 2. Hazards identification

---

### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No 1272/2008 [CLP]:** Serious Eye Damage/Eye Irritation Category 2  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

### 2.2 Label elements:

**Labelling according to Regulation (EC) No 1272/2008 [CLP]:**

**Hazard pictograms:**



**Signal Word:**

Warning

**Hazard Statements:**

H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

**Precautionary Statements:**

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P312 - Call a POISON CENTER/doctor if you feel unwell.

**Supplemental Hazard information (EU):**

None known.

**Hazards not otherwise classified:**

**DUST:**

None known.

**EYE:**

Slight/mild irritant.

**SKIN CONTACT:**

Repeated or prolonged skin contact may result in mild irritation.

**INHALATION:** Low order of toxicity.  
**INGESTION:** Low oral toxicity.

### 3. Composition/information on ingredients

---

#### 3.1 Substances:

Chemical Name	CAS #	%
Quillaja saponaria, extracts	68990-67-0	37.000000

#### 3.2 Mixtures:

Not applicable

For full text of H-statements see Section 16

### 4. First aid measures

---

#### 4.1 Description of first aid measures:

**Inhalation:** First aid is not normally required.  
**Eye contact:** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.  
**Skin Contact:** Wash immediately with water. If symptoms develop, obtain medical attention.  
**Ingestion:** None required.  
**Self protection of the first aider:** No data available

**4.2 Most important symptoms and effects, both acute and delayed:** H335 - May cause respiratory irritation H319 - Causes serious eye irritation

**4.3 Indication of any immediate medical attention and special treatment needed:** Call a POISON CENTER/doctor if you feel unwell.

### 5. Firefighting measures

---

#### 5.1 Extinguishing media:

**Suitable extinguishing media:** Not Applicable

**Unsuitable extinguishing media:** None known.

**5.2 Special hazards arising from the substance or mixture:** Non-combustible.

**Hazardous Combustion Products:** This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and

water.

**5.3 Advice for firefighters:** Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

## 6. Accidental release measures

---

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

**Non-emergency personnel:** Non-emergency personnel should be kept clear of the area

**Emergency responders:** Use personal protective equipment as required.

**6.2 Environmental precautions:** No data available

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

**Small spills:** Refer to information provided for large spills

**Large spills:** Absorb spillages onto sand, earth or any suitable absorbent material. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.

**6.4 Reference to other sections:** See Section 8 for appropriate personal protective equipment. See Sections 2 and 7 for additional information on hazards and precautionary measures.

## 7. Handling and storage

---

**7.1 Precautions for safe handling:** Normal precautions for handling chemicals are applicable.

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

**Conditions for safe storage:** Store under ambient temperatures, once opened it is recommended to store under refrigeration. Protect from freezing.

**Special Sensitivity:** Not available

**Sensitivity to Static Electricity:** No

**Materials to Avoid/Chemical Incompatibility:** None known

**7.3 Specific end use(s):** Food products

## 8. Exposure controls/personal protection

---

### 8.1 Control parameters:

#### Occupational Exposure limit values:

Chemical Name	INDIA - Occupational Exposure Limits - TWAs	INDIA - Occupational Exposure Limits - STELs	INDIA - Occupational Exposure Limits - Ceilings	INDIA - Biological Exposure Limits

Not listed.				
-------------	--	--	--	--

**DNEL:** None known.

**PNEC:** None known.

## 8.2 Exposure controls:

**Appropriate engineering controls:** No data available

### Individual protection measures, such as personal protective equipment:

**Eye and face protection:** Chemical safety glasses.

#### Skin Protection:

**Hand protection:** No data available

**Other skin protection:** Not applicable. Wear protective gloves/protective clothing/eye protection/face protection.

**Respiratory Protection:** Avoid breathing dust/fume/gas/mist/vapours/spray.

**Respirator Type(s):** None required under normal handling conditions.

**Other Protective Equipment:** Wash before eating, drinking, or using toilet facilities.

**General Hygiene Conditions:** Not available

**Thermal Hazards:** Not available

**Environmental exposure controls:** Avoid runoff into storm sewers and ditches that lead to waterways.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

**Appearance:** Liquid

**Colour:** Dark Brown

**Odour:** Sweet

**Odour threshold:** Not available

**pH:** Approximately 4

**pH in (1%) Solution:** Not available

#### Melting point / freezing point:

**Melting point:** Not available

**Freezing point (°C):** No data available

**Initial boiling point and boiling range (°C):** No data available

**Flash point (°C):** No data available

**Flash point method:** Not available

**Evaporation Rate (water = 1):** 1 (Water = 1)

**Flammability (solid, gas):** Not available

**Upper/lower flammability or explosive limits:**

**Upper flammable or explosive limit, % in air:** Not available

**Lower flammable or explosive limit, % in air:** Not available

**Vapour pressure:** Not available

**Vapor Density (Air=1):** Not available

**Relative density:** 1.220

**Solubility(ies):** Soluble in water

**Partition coefficient: n-octanol/water:** Not available

**Auto-ignition temperature (°C):** Not applicable

**Decomposition temperature (°C):** Not available

**Viscosity:** Not available

**Explosive properties:** Not available

**Oxidizing properties:** Not available

**9.2 Other information:**

**Heat of decomposition:** Not available

**Volatiles by weight:** Approximately 50 %

**Volatile Organic Chemicals:** Not available

**Molecular formula:** Not available

**Liquid density:** Not available

**Volatile Organic Chemicals:** 0

**Bulk density:** Not available

---

**10. Stability and reactivity**

---

**10.1 Reactivity:** Not expected to be reactive

**10.2 Chemical stability:** Stable

**10.3 Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** None known

**10.6 Hazardous decomposition products:** No hazardous decomposition products known.

---

**11. Toxicological information**

---

**11.1 Information on toxicological effects:**

**Acute toxicity:**

---

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
No data available			

**Skin corrosion/irritation:**

Based on available data, the GHS classification criteria are not met.  
 May cause irritation to skin and eyes.  
 Repeated or prolonged skin contact may result in mild irritation.

**Serious eye damage/irritation:**

pH	Approximately 4
----	-----------------

Classification is based on pH and the components listed in Section 3.

**Respiratory or skin sensitisation:**

Based on available data, the GHS classification criteria are not met.

**Germ cell mutagenicity:**

Based on available data, the GHS classification criteria are not met.

**Carcinogenicity:**

Based on available data, the GHS classification criteria are not met.

**Reproductive toxicity:**

Based on available data, the GHS classification criteria are not met.

**STOT-single exposure:**

Classification is based on toxicological information of the components in Section 3.

**STOT-repeated exposure:**

Based on available data, the GHS classification criteria are not met.

**Aspiration hazard:**

Based on available data, the GHS classification criteria are not met.

**12. Ecological information**

---

**12.1 Toxicity:** No data available

**Ecological Toxicity Data:**

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

**12.2 Persistence and degradability:** No data available

---

<b>12.3 Bioaccumulative potential:</b>	No data available
<b>12.4 Mobility in soil:</b>	Unknown
<b>12.5 Results of PBT and vPvB assessment:</b>	Not applicable
<b>12.6 Other adverse effects:</b>	None known.
<b>12.7 Additional information:</b>	No data available

## 13. Disposal considerations

---

### 13.1 Waste treatment methods:

<b>Disposal methods:</b>	Disposal should be in accordance with local, state or national legislation.
<b>Empty Container Warnings:</b>	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## 14. Transport information

---

### International carriage of dangerous goods by road (ADR), rail or inland waterways:

<b>14.1. UN number:</b>	No data available
<b>14.2. UN proper shipping name:</b>	Not applicable
<b>14.3. Transport hazard class(es):</b>	Not Applicable
<b>14.4. Packing group:</b>	Not applicable

### International carriage of dangerous goods by sea (IMDG/IMO):

<b>14.1. UN number:</b>	No data available
<b>14.2. UN proper shipping name:</b>	Not applicable
<b>14.3. Transport hazard class(es):</b>	Not applicable
<b>14.4. Packing group:</b>	Not applicable

### International carriage of dangerous goods by air (IATA):

<b>14.1. UN number:</b>	No data available
<b>14.2. UN proper shipping name:</b>	Not Applicable
<b>14.3. Transport hazard class(es):</b>	Not applicable
<b>14.4. Packing group:</b>	Not applicable
<b>14.5. Environmental hazards:</b>	Not available
<b>14.6. Special precautions for user:</b>	Consult IMO regulations before transporting in bulk by ocean.
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:</b>	Not available

## 15. Regulatory information

---





# SAFETY DATA SHEET

FOAMATION(R) Q 200

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

**TSCA** This material is not on the TSCA Inventory. It is excluded under the Food, Drug, and Cosmetic Act.

**FDA** 21CFR 172.510  
FEMA GRAS number 2973  
21CFR 184.1859

Chemical Name	Ozone Depleting Substances Schedule	Hazardous Chemical Rules List of Hazardous
None of the components are listed on this regulatory list		

## 16. Other information

**Revision Date:** 01-08-2021  
**Supersedes:** 06-08-2019  
**Revision Number:** 2  
**Reason for revision:** New

**FOR INFORMATION CONTACT:** For product information, contact:  
National Starch LLC  
National Starch Food Innovation  
Customer Service: 1-800-859-8569  
Technical Service Support: 1-800-743-6343

**Abbreviations and acronyms:** CAS = Chemical Abstract Service  
DNEL= Derivative No Effect Level  
EC= European Community  
EINECS = European Inventory of Existing Chemical Substances  
MSHA = Mine Safety Health Administration  
NIOSH = National Institute of Occupational Safety & Health  
OEL = Occupational Exposure Limit  
PBT= Persistent, Bioaccumulative, Toxic  
PNEC= Predicted No Effect Concentration  
SCOEL= Scientific Committee on Occupational Exposure Limits  
TLV = Threshold Limit Value  
TWA= Time Weighted Average  
vPvB= Very Persistent, Very Bioaccumulative  
Wt.% = Weight Percent

**Hazard phrase(s) referenced in section 3:**

H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2; H319 STOT SE 3; H335, H336	Not available

**Precautionary Statements:**

**Prevention:**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER/doctor if you feel unwell.

**Storage:**

P337+P313 - If eye irritation persists: Get medical advice/attention.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.

**Disposal:**

P501 - Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

**Disclaimer of Liability:**

The attached data has been compiled from sources which Ingredion Incorporated and the Ingredion group of companies, believe to be dependable and, to our knowledge and belief is accurate. However, Ingredion Incorporated and the Ingredion group of companies cannot make any warranty or representation respecting the accuracy or completeness of the data. We assume no responsibility for any liability or damages relating thereto, or for advising you regarding the protection of your employees, customers, or others. You should make your own tests to determine the applicability of such information to, or the suitability of any products for your specific use.



# SAFETY DATA SHEET

FOAMATION(R) Q 200

Ingredion Incorporated and the Ingredion group of companies expressly disclaims all warranties, expressed or implied, including but not limited to, warranties of merchantability, accuracy, fitness for use or for a particular purpose, and noninfringement. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to sales of products by Ingredion Incorporated and the Ingredion group of companies. The INGREDION mark and logo are trademarks of the Ingredion group of companies.