



# SAFETY DATA SHEET

FOAMATION(R) Q 200

## 1. Identification

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

**Other means of identification:**

**Recommended use of chemical and restrictions on use:**

**Recommended use:** Food products

**Restrictions on use:** Not Available

**Supplier's details (including name, address, and telephone number etc.):**

**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

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### GHS Classification of the substance or mixture:

**Classification according to Regulation: SS 586: Part 2: 2014:** Serious Eye Damage/Eye Irritation Category 2A  
 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

### GHS Label elements:

### GHS label elements, including precautionary statements:

**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.

**Other hazards which do not result in classification:**

None known.

## 3. Composition/information on ingredients

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### Substances:

Chemical Name	CAS No.	%
Quillaja saponaria, extracts	68990-67-0	37.000000

**Mixtures:**  
Not applicable

## 4. First-aid measures

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**Description of necessary measures:**

<b>Inhalation:</b>	First aid is not normally required.
<b>Eye contact:</b>	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.
<b>Skin Contact:</b>	Wash immediately with water. If symptoms develop, obtain medical attention.
<b>Ingestion:</b>	None required.
<b>Self protection of the first aider:</b>	No data available
<b>Most important symptoms/effects, acute and delayed:</b>	H335 - May cause respiratory irritation H319 - Causes serious eye irritation
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	Call a POISON CENTER/doctor if you feel unwell.

## 5. Fire-fighting measures

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**Extinguishing media:**

<b>Suitable extinguishing media:</b>	Not Applicable
<b>Unsuitable extinguishing media:</b>	None known.
<b>Specific hazards arising from the chemical:</b>	Non-combustible.
<b>Hazardous Combustion Products:</b>	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.
<b>Special protective equipment and precautions for fire-fighters:</b>	Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

## 6. Accidental release measures

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**Personal precautions, protective equipment and emergency procedures:**

<b>Non-emergency personnel:</b>	Non-emergency personnel should be kept clear of the area
<b>Emergency responders:</b>	Use personal protective equipment as required.
<b>Environmental precautions:</b>	No data available
<b>Methods and material for containment and cleaning up:</b>	
<b>Small spills:</b>	Refer to information provided for large spills

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**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.

**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

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

**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:** None known

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

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

## 8. Exposure controls/personal protection

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**Control parameters/ Occupational exposure limits or biological limit values:**

**Occupational Exposure limit values:**

Chemical Name	Singapore - Occupational Exposure Limits - STELs	Singapore - Biological Exposure Limits
Not listed.		

**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.

<b>General Hygiene Conditions:</b>	Not available
<b>Thermal Hazards:</b>	Not available
<b>Environmental exposure controls:</b>	Avoid runoff into storm sewers and ditches that lead to waterways.

## 9. Physical and chemical properties

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### Information on basic physical and chemical properties:

<b>Appearance (physical state, color etc.):</b>	Liquid
<b>Colour:</b>	Dark Brown
<b>Odour:</b>	Sweet
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Approximately 4
<b>pH in (1%) Solution:</b>	Not available
<b>Melting point / freezing point (°C):</b>	
<b>Melting point (°C):</b>	Not available
<b>Freezing point (°C):</b>	No data available
<b>Initial boiling point and boiling range (°C):</b>	No data available
<b>Flash point (°C):</b>	No data available
<b>Flash point method:</b>	Not available
<b>Evaporation rate:</b>	1 (Water = 1)
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	
<b>Upper flammable or explosive limit, % in air:</b>	Not available
<b>Lower flammable or explosive limit, % in air:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative density:</b>	1.220
<b>Solubility(ies):</b>	Soluble in water
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature (°C):</b>	Not applicable
<b>Decomposition temperature (°C):</b>	Not available
<b>Viscosity:</b>	Not available
<b>Other information:</b>	
<b>Heat of decomposition:</b>	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

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**Reactivity:** Not expected to be reactive  
**Chemical stability:** Stable  
**Possibility of hazardous reactions:** Hazardous polymerization will not occur.  
**Conditions to avoid (e.g. static discharge, shock or vibration):** None known.  
**Incompatible materials:** None known  
**Hazardous decomposition products:** No hazardous decomposition products known.

## 11. Toxicological information

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### Information on toxicological effects:

#### Acute toxicity:

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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
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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:

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

**Reproductive and Developmental 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**

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**Toxicity:** No data available

**Ecological Toxicity Data:**

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

**Persistence and degradability:**

**Bioaccumulative potential:** No data available

**Mobility in soil:** Unknown

**Other adverse effects:** None known.

**Additional information:** No data available

**13. Disposal considerations**

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**Waste treatment methods:**

**Disposal methods:** Disposal should be in accordance with local, state or national legislation.

**Empty Container Warnings:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

**14. Transport information**

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

**UN number:** No data available

**UN proper shipping name:** Not applicable

**Transport hazard class(es):** Not Applicable

**Packing group:** Not applicable

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

**UN number:** No data available  
**UN proper shipping name:** Not applicable  
**Transport hazard class(es):** Not applicable  
**Packing group:** Not applicable

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

**UN number:** No data available  
**UN proper shipping name:** Not Applicable  
**Transport hazard class(es):** Not applicable  
**Packing group:** Not applicable  
**Environmental hazards (e.g.: Marine pollutant (Yes/No)):** Not available  
**Special precautions for user:** Consult IMO regulations before transporting in bulk by ocean.  
**Transport in bulk (according to ANNEX II of MARPOL 73/78 and the IBC Code):** Not available

**15. Regulatory information**

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**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

**Safety, health and environmental regulations specific for the product in question.:**

Chemical Name	CAS No	Singapore Arms and Explosives Act	Singapore List of Hazardous Substances	Singapore Chemical Weapons	Singapore Workplace Safety Act	Singapore Environmental Protection and Management Act
None of the components are listed on this regulatory list						



**Chemical Inventory Status:**

Chemical Name	CAS No	AICS	DSL	IECSC	ENCS	TSCA Status	EINECS	PICCS
Quillaja saponaria, extracts	68990-67-0	Yes	Yes	No	Yes	No	Yes	Present

**Singapore - Ozone Depleting Substances:**

Chemical Name	CAS No	Annex A - Group I	Annex A - Group II	Annex B - Group I	Annex B - Group II	Annex B - Group III	Annex C - Group I	Annex C - Group II	Annex C - Group III	Annex E
None of the components are listed on this regulatory list										

**Singapore - HAZCHEM Emergency Action Code:**

Chemical Name	CAS No	Singapore - HAZCHEM Emergency Action Code
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  
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

**Abbreviations and acronyms:**

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

**Storage:**

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:**

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# SAFETY DATA SHEET

FOAMATION(R) Q 200

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