



Material Safety Data Sheet

FOAMATION(R) Q 200

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FOAMATION(R) Q 200
foaming agent
RECOMMENDED USE: Food products

SUPPLIER

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

MANUFACTURER

Natural Response S.A
Avenida Industrial 1970
Quilpue, V.Region
Chile

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

GHS Classification:	Serious Eye Damage/Eye Irritation Category 2 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
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GHS Symbols:	
GHS Signal Word:	Warning
GHS Hazards:	H319 - Causes serious eye irritation H335 - May cause respiratory irritation
GHS Safety Precautions:	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.
First Aid Measures:	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.

EMERGENCY OVERVIEW
Not considered as hazardous.
Dark Brown Liquid Sweet Odor

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

COMPONENT	CAS NUMBER	CONCENTRATION (% by weight)
Quillaja saponaria, extracts		15 - 40

4. FIRST-AID MEASURES

EYE	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.
INHALATION	First aid is not normally required.
INGESTION	None required.

5. FIREFIGHTING MEASURES

AUTOIGNITION	Not applicable
FLASH POINT	Not available
EXTINGUISHING MEDIA	Not Applicable

SPECIAL FIREFIGHTING PROCEDURES	No special procedures are required.
FIRE & EXPLOSION HAZARDS	Non-combustible.
HAZARDOUS COMBUSTION PRODUCTS	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.
LOWER EXPLOSION LIMIT (%)	No data available
UPPER EXPLOSION LIMIT (%)	No data available

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	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.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	Ambient.
HANDLING/STORAGE	Protect from freezing. Store under ambient temperatures, once opened it is recommended to store under refrigeration.
SENSITIVITY TO STATIC ELECTRICITY	No
SPECIAL SENSITIVITY	Not available
SENSITIVITY TO MECHANICAL IMPACT	No

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No data available

VENTILATION REQUIREMENTS	Normal ventilation expected to be adequate.
EYE PROTECTION REQUIREMENTS	Chemical safety glasses.
GLOVE REQUIREMENTS	Gloves are recommended due to possible irritation.
CLOTHING REQUIREMENTS	Not applicable.
CHANGE/REMOVAL OF CLOTHING	Not available
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATOR REQUIREMENTS	None required under normal handling conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE	Mixture
PHYSICAL FORM	Liquid
COLOR	Dark Brown
ODOR	Sweet
ODOR THRESHOLD	Not available
PH AS IS	Approximately 4
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	Not available
MELTING/FREEZING POINT	Not available
SOLUBILITY IN WATER	Soluble in water
PARTITION COEFFICIENT (n-octanol/water)	Not available
VISCOSITY	Not available
SPECIFIC GRAVITY (WATER=1)	1.22
EVAPORATION RATE	1 (Water = 1)

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VAPOR PRESSURE (mmHg)	Not available
VAPOR DENSITY (air = 1)	Not available
VOLATILES	Approximately 50 %
VOLATILE ORGANIC COMPOUNDS	Not available
AUTOIGNITION	Not applicable
FLASH POINT	Not available

10. STABILITY AND REACTIVITY

STABILITY	Stable
STABILITY DETAIL	Material is stable under normal temperatures and pressures.
MATERIALS TO AVOID	None known
CONDITIONS TO AVOID	None known
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products known.
HAZARDOUS POLYMERIZATION CONDITIONS	Hazardous polymerization will not occur.
REACTIVITY	Not expected to be reactive

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY Eye Contact; Skin Contact; Ingestion

CARCINOGEN	<u>IARC</u> (group)	<u>NTP Carcinogen</u>	<u>OSHA Substance</u> <u>Specific Regulation</u>
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COMPONENT
There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use.

PRODUCT TOXICOLOGY PRODUCT INFORMATION

The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.

ACUTE (SHORT TERM) EFFECTS OF EXPOSURE

EFFECTS OF ACUTE EXPOSURE May cause irritation to skin and eyes.

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE No known hazards are associated with the use of this material.

TARGET ORGANS Not applicable.

12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT No data available

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MOBILITY	Unknown.
PERSISTENCE AND DEGRADABILITY	No data available
POTENTIAL TO BIOACCUMULATE	Unknown.
ECOTOXICITY	No information available.
AQUATIC TOXICITY	None Established

13. DISPOSAL CONSIDERATIONS

WASTE 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. TRANSPORTATION INFORMATION

This section provided for general information only. The shipping description below may not represent requirements for all modes of transportation, packaging, shipping methods or locations outside of the United States.

FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION	Not regulated
PROPER SHIPPING NAME	Not Applicable
HAZARD CLASS	Not Applicable
U.N. NUMBER	Not applicable
PACKING GROUP	Not Applicable
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ICAO/IATA CLASSIFICATION	Not regulated
PROPER SHIPPING NAME	Not Applicable
HAZARD CLASS	Not Applicable
U.N. NUMBER	Not Applicable
PACKING GROUP	Not Applicable
*****	*****

IMO/MDG CLASSIFICATION	Not regulated
PROPER SHIPPING NAME	Not Applicable
HAZARD CLASS	Not Applicable
U.N. NUMBER	Not Applicable
PACKING GROUP	Not Applicable

FLASH POINT	Not available
MARINE POLLUTANT NAME	Not available
IMO MFAG	See Tables 1-15 based on symptoms.

The information provided herein may not include the impact of additional regulatory requirements (eg, for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

ISSUE DATE: 06-August-2019
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

ADDITIONAL INFORMATION: The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.