

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

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**1.1 Product identifier:** NOVATION(R) Lumina 600  
food starch

**Other means of identification:**

**Chemical family:** Starch

### 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 INDIA PVT LTD.  
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Thane Belapur Road, Navi Mumbai - 400710,  
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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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### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No 1272/2008 [CLP]:** Not classified as hazardous in accordance with GHS Regulation.

### 2.2 Label elements:

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

**Hazard pictograms:** No hazard symbols required

**Signal Word:** No signal word needed.

**Hazard Statements:** No Hazard Statement needed.

**Precautionary Statements:** No Precautionary Statement needed.

**Supplemental Hazard information (EU):** None known.

### Hazards not otherwise classified:

**DUST:** None known.

**EYE:** Particulates may scratch eye surfaces and cause mechanical irritation.

**SKIN CONTACT:** Low order of toxicity.

**INHALATION:** This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.

**INGESTION:** Low oral toxicity.

## 3. Composition/information on ingredients

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### 3.1 Substances:

Not applicable

### 3.2 Mixtures:

Chemical Name	CAS #	%
No hazardous components.		

For full text of H-statements see Section 16

## 4. First aid measures

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### 4.1 Description of first aid measures:

<b>Inhalation:</b>	Remove to fresh air. Get medical attention if irritation persists.
<b>Eye contact:</b>	If symptoms develop, obtain medical attention. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.
<b>Skin Contact:</b>	Wash skin with soap and water.
<b>Ingestion:</b>	None required.
<b>Self protection of the first aider:</b>	No data available

**4.2 Most important symptoms and effects, both acute and delayed:** Possible physical irritant from dust particles. Potential for dust explosion.

**4.3 Indication of any immediate medical attention and special treatment needed:** None known.

## 5. Firefighting measures

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### 5.1 Extinguishing media:

<b>Suitable extinguishing media:</b>	Dry Chemical, CO2, Water Fog, Foam
<b>Unsuitable extinguishing media:</b>	None known.

**5.2 Special hazards arising from the substance or mixture:** Minimum ignition temperature of dust cloud- approx. 390 C. Minimum explosive concentration- approx. 70 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.

**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:** No special procedures are required.

## 6. Accidental release measures

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### 6.1 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.

**6.2 Environmental precautions:** No data available

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

<b>Small spills:</b>	Refer to information provided for large spills
<b>Large spills:</b>	Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

**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

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**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:**

**Special Sensitivity:** Not available

**Sensitivity to Static Electricity:** Yes

**Other precautions:** Use care to minimize dust generation in normal use conditions.

Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.

**Materials to Avoid/Chemical Incompatibility:** No data available

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

## 8. Exposure controls/personal protection

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**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:** Safety glasses recommended.

**Skin Protection:**

**Hand protection:** No data available

**Other skin protection:** Not applicable. Uniforms, coveralls, or a lab coat should be worn.

<b>Respiratory Protection:</b>	No data available
<b>Respirator Type(s):</b>	NIOSH approved dust mask.
<b>Other Protective Equipment:</b>	Wash before eating, drinking, or using toilet facilities.
<b>General Hygiene Conditions:</b>	Not normally required.
<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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### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Powder.
<b>Colour:</b>	White
<b>Odour:</b>	Starch
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Not available
<b>pH in (1%) Solution:</b>	Approximately 6
<b>Melting point / freezing point:</b>	
<b>Melting point:</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 (water = 1):</b>	Not applicable
<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>Vapor Density (Air=1):</b>	Not available
<b>Relative density:</b>	1.5000000
<b>Solubility(ies):</b>	Insoluble
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature (°C):</b>	No data available
<b>Decomposition temperature (°C):</b>	Not available
<b>Viscosity:</b>	Not available

**Explosive properties:** Not available

**Oxidizing properties:** Not available

**9.2 Other information:**

**Heat of decomposition:** Not available

**Volatiles by weight:** Not available

**Volatile Organic Chemicals:** Not available

**Molecular formula:** Not available

**Molecular weight:** > 10000

**Liquid density:** Not available

**VOC (as applied\*- 2% by wt hardener-less exempts and water):** NAP or

**Bulk density:** Not available

**10. Stability and reactivity**

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**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:** No data available

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

**11. Toxicological information**

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**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. Unlikely to cause harmful effects under recommended conditions of handling and use. Low order of toxicity.

**Serious eye damage/irritation:**

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



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**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:**

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

**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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**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

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** Unknown

**12.5 Results of PBT and vPvB  
assessment:** Not applicable

**12.6 Other adverse effects:** None known.

**12.7 Additional information:** No data available

## 13. Disposal considerations

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**13.1 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:

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

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

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

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

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

## 15. Regulatory information

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

**TSCA** This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

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

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Revision Date: 02-08-2021



**Supersedes:** 27-06-2019  
**Revision Number:** 2  
**Reason for revision:** New

**FOR INFORMATION CONTACT:** India:  
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**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:** No data available

**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
Not available	

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