

Revision Date: 23-02-2023  
This document replaces SDS dated: 20-11-2022

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**NOVATION INDULGE 1720**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier:**

Product Name: NOVATION INDULGE 1720

**Other means of identification:**

Chemical family: Starch

UFI Number:

REACH Registration Number: This product is exempt from REACH

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

Relevant identified use: food starch

Uses advised against: Not Available

**1.3 Details of the supplier of the safety data sheet:**

The relevant Ingredion EMEA Company which invoices for the Product – please see Section 16

**1.4 Emergency telephone number:**

EMERGENCY TELEPHONE: +1 703-741-5970 / 1-800-424-9300

**Poison Centre contact information:**

Mizzi House, National Road, Blata I-Bajda HMR9010, Malta

**Poison Centre Registration number:****SECTION 2: Hazards identification****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:****Hazard pictograms:**

No hazard symbols required

**Signal word:**

No signal word needed.

**Hazard statements:**

No Hazard Statement needed.

**Precautionary statements:**

No Precautionary Statement needed.

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**ADDITIONAL INFORMATION:** Not applicable

**2.3 Other hazards:** This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.  
This substance/mixture contains no components considered to be an endocrine-disrupting substance at levels of 0.1% or higher.  
Not expected to be PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances:

Substance Name	Concentration (% by weight)	CAS No.	EC Number REACH Registration Number	Classification according to Regulation (EC) No 1272/2008 (CLP)	M-factor	SCL	ATE	Nanoform Material
This product is not classified as hazardous								

**3.2 Mixtures:**  
Not applicable

For full text of H-statements, see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

Inhalation: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

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Eye Contact:	Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. If symptoms develop, obtain medical attention.
Skin Contact:	Wash skin with soap and water.
Ingestion:	None required.
Self protection of the first aider:	No data available
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Nuisance dust with a possibility of dust explosion. Contributes to effluent BOD. Not classified as dangerous.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	No further first aid information is available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media:**

Suitable extinguishing media:	Carbon dioxide (CO <sub>2</sub> ), Dry Chemical., Foam., Water Fog.
Unsuitable extinguishing media:	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. 80 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.10 joules.

Hazardous combustion products:	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
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**5.3 Advice for firefighters:**

Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

**SECTION 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:**

Not available

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

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 section 2 and 7 for additional information on hazards and precautionary measures.

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### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** As with all chemicals, good industrial hygiene practices should be followed when handling this material.
- 7.1.1 Recommendations for safe handling: Prevent handling of incompatible substance or mixtures. Take measures to prevent fire as well as aerosol and dust generation.
- 7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
- 7.2 Conditions for safe storage, including any incompatibilities:**
- Safe storage conditions: Store in a clean, dry, well ventilated warehouse away from odorous materials.
- Special Sensitivity: No special sensitivity.
- Static Sensitivity: Yes
- No special sensitivity.
- Other precautions: Avoid dispersing the powder in the air. Prevent build-up of powder on surfaces.
- Materials to Avoid/Chemical Incompatibility: None known.
- 7.3 Specific end use(s):** food starch

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters:

Substance Name	Malta - Occupational Exposure Limits - TWAs	Malta - Occupational Exposure Limits - STELs
No data available		

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

**DNEL:** None known  
**PNEC:** None known.

#### 8.2 Exposure controls:

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<b>Appropriate engineering controls:</b>	General.
<b>Individual protection measures, such as personal protective equipment:</b>	
<b>Eye/face protection:</b>	Wear safety glasses. Personal eye protection should conform to EN 166.
<b>Skin protection:</b>	Skin protection may be required depending on product temperature.
<b>Hand protection:</b>	Gloves are recommended due to possible irritation., Gloves should conform to EN 374.
<b>Respiratory protection:</b>	Use approved dust mask. Dust masks should conform to EN 149.
<b>Thermal hazards:</b>	Not available
<b>Environmental exposure controls:</b>	Avoid runoff into storm sewers and ditches that lead to waterways.

<b>SECTION 9: Physical and chemical properties</b>
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**9.1 Information on basic physical and chemical properties:**

Physical state:	Powder.
Colour:	yellow
<b>Odour and odour threshold:</b>	Dextrin odour.
<b>pH:</b>	Not available
<b>pH in (1%) Solution:</b>	Not available
<b>Melting point/freezing point:</b>	
Melting Point:	Not available
Freezing point:	Not available
<b>Boiling point or initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability:</b>	No
<b>Upper/lower flammability or explosive limits:</b>	
Upper flammability or explosive limits:	Not available
Lower flammability or explosive limits:	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Density and/or relative density:</b>	No data available
<b>Solubility:</b>	Soluble

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<b>Partition coefficient n-octanol/water (log value):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Volatiles:</b>	None
<b>Volatile Organic Chemicals:</b>	Not available
<b>Kinematic viscosity:</b>	Not available
<b>Particle characteristics:</b>	Not applicable
<b>9.2 Other information:</b>	
<b>Molecular Weight:</b>	Not available

### SECTION 10: Stability and Reactivity

<b>10.1 Reactivity:</b>	Not expected to be reactive
<b>10.2 Chemical stability:</b>	Stable
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>10.4 Conditions to avoid:</b>	None known.
<b>10.5 Incompatible materials:</b>	None known.
<b>10.6 Hazardous decomposition products:</b>	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

<b>Information on possible routes of exposure:</b>	None known.
<b>Target Organs Potentially Affected By Exposure:</b>	None known.
<b>Early onset symptoms related to exposure:</b>	No data available
<b>Toxic Effects:</b>	This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.

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### Exposure levels and health effects:

#### Acute toxicity:

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

Acute toxicity - Dermal: Based on available data, the GHS classification criteria are not met.

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

#### Skin corrosion/irritation:

Wash skin with soap and water.

#### Serious eye damage/irritation:

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

#### Respiratory sensitisation:

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

#### 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.

#### Reproductive Toxicity:

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

#### Carcinogenicity:

No.

#### Specific Target Organ Toxicity (STOT)-single exposure:

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

#### Specific Target Organ Toxicity (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.

#### Endocrine disrupting properties:

None of the components have endocrine disrupting properties.

### Numerical measures of toxicity (such as acute toxicity estimates):

Substance Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
There is no known toxicity data available for the components or the product.			

## SECTION 12: Ecological information

### 12.1 Toxicity:

Low, but has a BOD contribution.

### Ecological Toxicity Data:

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

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<b>12.2 Persistence and degradability:</b>	Readily biodegradable.
<b>12.3 Bioaccumulative potential:</b>	Low (degrades too rapidly)
<b>12.4 Mobility in soil:</b>	Unknown
<b>12.5 Results of PBT and vPvB assessment:</b>	Not expected to be PBT or vPvB.
<b>12.6 Endocrine disrupting properties:</b>	None known.
<b>12.7 Other adverse effects:</b>	None known.

### SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods:</b>	Waste disposal should be in accordance with existing Community, National and local regulations.
<b>Empty container warnings:</b>	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

### SECTION 14: Transport Information

<b>14.1 UN number:</b>	Not applicable
<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>Toxic Inhalation Hazard Zone:</b>	No data available
<b>14.5. Environmental hazards:</b>	No data available
<b>14.7 Maritime transport in bulk according to IMO instruments:</b>	No data available
<b>14.6 Special precautions for user:</b>	Consult IMO regulations before transporting in bulk by ocean.

### SECTION 15: Regulatory information

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

Substance Name	EINECS	SVHC
No data available		



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**15.2 Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

<b>SECTION 16: Other information</b>
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**Revision Date:** 02-23-2023

**Indication of changes:** None Known

**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

**References and sources of data:** Classification according to Regulation (EC) 1272/2008 (CLP), as amended and Regulation (EC) 1907/2006 (REACH), as amended

**Hazard statements:** No Hazard Statement needed.

**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	Not available

**Precautionary statements:** No Precautionary Statement needed.

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