

SAFETY DATA SHEET



This safety data sheet was created pursuant to the requirements of: COMMISSION REGULATION (EU) No. 830/2015 of 20 May 2015 Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 10-May-2022

Revision Number 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Lattice® NT-020

Product Code(s) NT020-INDR050I

Pure substance/mixture Substance

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

Recommended use Pharmaceutical

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier

DuPont Nutrition Ireland
Wallingstown
Little Island
Cork, Ireland

+353 21 451 7200 (General Information - Cork, Ireland)

E-mail address sds.genencor@iff.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC: +1-800-424-9300 (outside the U.S. & Canada +1-703-741-5970)

Emergency Telephone - §45 - (EC)1272/2008

Europe	112
Poison control centre phone number	112 (Europe)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.3. Other hazards

May form explosible dust-air mixture if dispersed.

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures Not applicable

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Microcrystalline Cellulose	232-674-9	9004-34-6	-	Not classified	No data available

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	When in doubt or if symptoms are observed, get medical advice.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
Ingestion	Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Get medical attention if irritation or other symptoms occur.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Foam. Dry powder. Water spray. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Keep product and empty container away from heat and sources of ignition. Do not use water jetstream.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous combustion products Smoke production.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use personal protection recommended in Section 8. Sweep up to prevent slipping hazard.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Dispose of in accordance with local regulations.

Methods for cleaning up Use industrial vacuum cleaners approved for combustible dust and area electrical classification.

6.4. Reference to other sections

Reference to other sections See section 8 for more information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Minimise dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654).

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Specific use(s) See section 1 for more information.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure Limits Based on data available for ingredients

Chemical name	European Union	United Kingdom	France	Spain	Germany
Microcrystalline Cellulose 9004-34-6	-	20 mg/m ³ STEL (inhalable dust); 12 mg/m ³ STEL (calculated, respirable dust) 10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust	TWA: 10 mg/m ³	TWA: 10 mg/m ³	-

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Microcrystalline Cellulose 9004-34-6	-	TWA: 10 mg/m ³	-	-	TWA: 1 mg/m ³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Microcrystalline Cellulose 9004-34-6	-	TWA: 3 mg/m ³	TWA: 3 mg/m ³	-	TWA: 10 mg/m ³ STEL: 30 mg/m ³

Chemical name	Belgium	Sweden	Croatia	Turkey
Microcrystalline Cellulose 9004-34-6	TWA: 10 mg/m ³	NGV: 2 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 20 mg/m ³	-

8.2. Exposure controls

Engineering controls Ensure adequate ventilation. Avoid generation of dust and aerosols.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear protective gloves.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Physical state	Solid
Colour	White to off-white
Odour	Odourless
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.0 - 7.0	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	None known
Relative vapour density	No data available	None known
Relative density	No data available	None known
Water solubility	Insoluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available.	
Oxidising properties	No information available	

9.2. Other information

Bulk density	No information available
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Not expected.
Remarks	Not expected.

10.2. Chemical stability

Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	No.
Sensitivity to static discharge	Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
Hazardous polymerisation	Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid	Heat, flames and sparks. May form combustible dust concentrations in air.
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10.5. Incompatible materials

Incompatible materials Keep away from heat, flames and sparks.

10.6. Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product Information

Acute toxicity

- Inhalation** No information or data specific to the product on this toxicological (health) effect is available.
- Eye contact** No information or data specific to the product on this toxicological (health) effect is available.
- Skin contact** No information or data specific to the product on this toxicological (health) effect is available.
- Ingestion** No information or data specific to the product on this toxicological (health) effect is available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Get medical attention if irritation or other symptoms occur.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Respiratory or skin sensitisation** No information available.
- Germ cell mutagenicity** No information available.
- Carcinogenicity** No information available.
- Reproductive toxicity** No information available.
- STOT - single exposure** No information available.
- STOT - repeated exposure** No information available.
- Aspiration hazard** No information available.

Numerical measures of toxicity

Component Information Classification based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Microcrystalline Cellulose	-	> 2 g/kg (Rabbit) > 2000 mg/kg (Rabbit)	> 5800 mg/m ³ (Rat) 4 h

Microcrystalline Cellulose 9004-34-6

- Eye irritation** May cause irritation
- Skin irritation** May cause skin irritation
- Reproductive effects** Not expected

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity Based on data available for ingredients.

12.2. Persistence and degradability

Persistence and degradability Based on data available for ingredients.

12.3. Bioaccumulative potential

Bioaccumulative potential Based on data available for ingredients

Component Information Based on data available for ingredients

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on data available for ingredients

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Dispose of wastes in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

SECTION 14: Transport information**IMDG**

14.1

14.2 UN proper shipping name Not regulated

14.3

14.4 Packing group Not regulated

14.5 Marine pollutant Not applicable

14.6 Special Precautions for Users

Special Provisions None

14.7. Transport in bulk according to No information available

Annex II of MARPOL and the IBC

Code

RID

14.1 UN number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical name	French RG number	Title
Microcrystalline Cellulose 9004-34-6	RG 66	-

Water hazard class (WGK) Based on data available for ingredients

Mixture Based on data available for ingredients

Chemical name	CAS No	WGK Classification (AwSV)
Microcrystalline Cellulose	9004-34-6	nicht wassergefährdend (nwg) (non-hazardous to water)

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS
Microcrystalline Cellulose 9004-34-6	X	X	X	-	X	X	X

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Revision date 10-May-2022

Reason for revision ***Indicates updated section

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet