

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 30-Mar-2026

Revision date 09-Jul-2026

Revision Number 6.01

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

1.1. Product identifier

Product Code(s) 20453

Safety data sheet number 20453

Product Name STARCH

EC Number 232-679-6

CAS No 9005-25-8

Synonyms REXODAN SHEEN, MAIZE, RICE, WHEAT, MODIFIED STARCH, PERFECTAMYL AC, NOVATION 9230, ELASTIGEL 1000J, GEL N MELT, NOVATION, SIR N SET, N-DULGE C1 FG, THICKFLO, NADEX., PURITY 87, ULTRA TEX SR, MERITENA 100, STARKELSE, ULTRASPERSE HV, N CREAMER 46, CAPSUL., PREJEL STARCH, NATIONAL P37., PRECISA PULP 02, PRECISA PULP 01, STÄRKINA 20000., COLFLO 67 FG PDR, DRY-TACK 250E, NATIVE WHEAT STARCH, FARINA, PERFECTAMYL D 6 FG, NOVATION INDULGE 3920, UNI-PURE F, A38, NOVATION INDULGE 2550, NOVATION INDULGE 2450, PERFECTAMYL D 12 FG, MERITENA 400, NATIONAL B 37, CRYSTAL TEX 626, CRYSTAL TEX 648, FIRM TEX, FRIGEX, INST CLEARJEL COARSE, INST CLEARJEL E, INST TEXTAID A, PURITY GUM, INST TEXTRA, HYLON, ULTRATEX, NOVATION 2560, N TACK, SOLVITOSE C 5H, AMIDGEL, N-DULGE 316, N-HANCE 59, NOVATION ENDURA, PURITY HPC, REMY FG-KA, THERMTEX, NOVATION 3600, NOVATION 3300, THERMFLO, NATIONAL B37, NOVATION 2300, ULTRATEX 2, QUICKSPERSE, NATIONAL 912, N-CREAMER 46, N- LOK, BAKA-SNAK E, N ZORBIT M, BATTERBIND SC, N-DULGE C2 FG, INSTANT PUREFLO F, ULTRASPERSE M, NOVATION 9330, FLOGEL 60 FG, HI-CAP 100, ULTRATEX 3, N-LITE LP, NOVATION INDULGE 2740, CRYSTAL TEX 644, NOVATION 6600, NOVATION 1600, NOVATION 1900, HYLON 7, ULTRATEX 4, NOVATION 4300 FG PDR, NOVATION 6260 FG PDR, NOVATION 4600 FG PDR, NOVATION PRIMA 600 FG, NOVATION 2700 FG PDR, UNI-PURE WG220, NOVATION INDULGE 3920 FG, NOVATION 3600 FG, NOVATION 5600, HI-MAIZE 1043, INST PUREFLO E FG, PRECISA GEL 04, NOVATION 2600 FG, HI-FLO, N HANCE 59 FG, PURITY 690, NOVATION 9260 ORGANIC, NOVATION PRIMA 300 FG, N-DULGE SA1 FG, NOVATION INDULGE 1720, ULTRASPERSE 2000, PURITY W, NOVATION PRIMA 340, UNIPURE F, CLEARJEL A, CRISPIOCA FG, UNI-PURE DW-L, UNI-PURE IMF 8561, NATIONAL 3700, NATIONAL 5300, ULTRA TEX 2131, COLFLO 67, ULTRA-CRISP CS, ULTRATEX 2131 FG, PRECISA BAKE, NOVATION UNO 260 FG, NOVATION 9330 ORGANIC FG, ULTRASPERSE IMF, REMY DR KA, NATIONAL B38, PRECISA 655 S, REMYGEL 663, N-CREAMER 2230, NATIONAL 78-1551, ELIANE BIND 12, NATIONAL FRIGEX FG, AMIDGEL 72, CRISPFILM, ULTRA CRISP, UNI-PURE IMF 2332, FLO-MAX 2110, NOVATION 8300, NOVATION 8600, PERFECTABIND C, LAB 3971, TEXTAID A FG PDR, NOVATION PRIMA 650 FG PDR, NOVATION 2700, NOVATION 5300 FG, NATIONAL FRIGEX HV FG, NATIONAL FRIGEX, ULTRA-CRISP CS FG, UNI-PURE GA, PURITY SCS A, N CREAMER 110, PURITY D FG, PRECISA CRISP 38, NOVATION UNO 190 FG PDR, K4484 FG, ELASTITEX 1, NOVATION PRIMA 303 FG, PERFECTAGEL 928 FG, PRECISA 680 FG, CRYSTAL TEX LTF FG PDR, N-CREAMER 2111 FG, INSTANT TEXTRA FG, PRECISA CRISP 150, NATIONAL 465, BAKA SNAK E, INST PUREFLO F FG PDR, COLFLO 2630, ULTRASPERSE 5 FG PDR, NOVATION 9360 ORGANIC FG PDR, MAISITA 21.000, CRYSTAL TEX 85, CRYSTAL TEX 627 FG, PURITY 77HV, INDULGE 2920, NOVATION LUMINA 300, NOVATION LUMINA 600, NOVATION

LUMINA 0100, PURITY GUM 1773 FG PDR, PURITY GUM 2000, 400 NF CORN STARCH, N CREAMER 221, PRECISA GEL 01, UNI-PURE IMF 2551, N DULGE 225, ULTRA TEX 2000, N DULGE FR FG, SEPAFAX, NOVATION LUMINA 340, NOVATION LUMINA 4600, NOVATION 9460, NOVATION LUMINA 650, NOVATION 9260 ORGANIC FG, NOVATION LUMINA 5600, MERITENA 158, PURITY SCSA, NOVATION 3301, NOVATION 9331, MERITENA 100 FG FR, PRECISA CRISP 37C, NATIONAL 150BF, CAPSUL 2732, ELIANE C300, NOVATION 9231, PRECISA CRISP 38C, NOVATION LUMINA 8300, NOVATION LUMINA 8600, PURITY GUM BE, ADAMYL 2050, PURITY 122, EMULSIFORM CM 1120, TAPIOCA STARCH AVE FG, PERFECTAMYL P10 X 6% FG, PERFECTAMYL T10 X FG, PERFECTABIND M 20 FG, ELIANE MC 160 FG, PERFECTAMYL A3108 6% FG, PERFECTAMYL B 1102 FG, PERFECTAMYL FFC FG, PERFECTAMYL FRI COAT FG, PERFECTAMYL GEL FG, PERFECTAMYL GEL ACT FG, PERFECTAMYL P10 X 18% FG, PERFECTAMYL GEL MB FG, PERFECTAMYL GEL EMP, PERFECTAMYL GEL NF FG, PERFECTAMYL AC FG, PERFECTABIND M, THERMFLO 3630, THERMFLO 3130, THERMFLO 3310, NATIONAL 50 3105, NOVATION INDULGE 3620, PRECISA SET 1210W, NOVATION INDULGE 2110, DRY WAXY CORN STARCH, ALLSTARCH SWELLSTAR CWS 20, ALLSTARCH SWELLSTAR CWS 30, ALLSTARCH AXA 30.50 CWS, DRY CORN STARCH, MAISITA 21.002, NOVATION INDULGE 2940, N DULGE 1100, AGENADYN 21.011, NATIONAL 711, NATIONAL 1215 FG, INST CLEARJEL FG, NATIONAL T 37 FG PDR, PURITY 21C, NATIONAL FRIGEX CL FG PDR, PEA STARCH PL, NOVATION ALTERA 2300, PURITY GUM ULTRA, NOVATION ALTERA 600, NOVATION ALTERA 300, NOVATION 9460 ORGANIC, FRIGEX W FG, FIRMTX FG, AMAZE NATIVE, NOVATION ALTERA 2600, NOVATION ENDURA 0100 FG PDR***

Pure substance/mixture Substance

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

Recommended use Food/Feed additive
Pharmaceuticals
Cosmetics
Chemical
Industrial application

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com

Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified

2.2. Label elements

Not classified

Hazard statements

Not classified

EUH210 - Safety data sheet available on request

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
STARCH 9005-25-8	90 - 100%	232-679-6	-	Not classified	-	-	-

Full text of H- and EUH-phrases: see section 16This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur.

Ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms****Eyes**

Solid particles trapped behind the eyelid may cause abrasive damage,.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, CO₂, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical When heated and in case of fire, toxic vapours/gases may be formed. Dust can form an explosive mixture with air.

Hazardous combustion products Carbon oxides. Nitrogen. Water.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

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 Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Avoid generation of dust. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Do not breathe dust. Avoid generation of dust. Eliminate all ignition sources if safe to do so. Take precautionary measures against static discharge.
General hygiene considerations	Do not eat, drink or smoke when using the product. Wash face, hands and any exposed skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Avoid generation of dust. Avoid prolonged exposure to heat and air. Take precautionary measures against static discharge.
---------------------------	---

7.3. Specific end use(s)**Specific use(s)**

See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

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

Chemical name	United Kingdom
STARCH 9005-25-8	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Use eye protection according to EN ISO 16321-1.

Hand protection	Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.
Skin and body protection	Wear appropriate clothing to prevent reasonably probable skin contact.
Respiratory protection	In case of inadequate ventilation wear respiratory protection.
General hygiene considerations	Do not eat, drink or smoke when using the product. Wash face, hands and any exposed skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Dusty powder Powder granules Crystalline solid
Colour	cream To White/off-white To light yellow
Odour	Almost odourless. To. Characteristic.
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No information available.
Initial boiling point and boiling range		No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point		Not applicable.
Autoignition temperature	390 °C	
Decomposition temperature		No information available.
pH		No information available.
pH (as aqueous solution)	7	solution (50 %).
Kinematic viscosity		Not applicable.
Dynamic viscosity		Not applicable.
Water solubility	Insoluble in water To slightly soluble	
Solubility(ies)		No information available.
Partition coefficient	log Pow: < 2	
Vapour pressure		No information available.
Relative density		No information available.
Bulk density	0.5 - 0.7 kg/l	
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		Not applicable.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

VOC content	Not applicable
Evaporation rate	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No known effects under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Dust can form an explosive mixture with air.

Hazardous polymerisation Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid Avoid generation of dust. Keep away from open flames, hot surfaces and sources of ignition. static discharge (electrostatic discharge).

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen. Water.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

Inhalation Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage,.

Skin contact Dust or powder may irritate the skin.

Ingestion No known effect.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms****Acute toxicity****Numerical measures of toxicity**

No information available

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

Skin corrosion/irritation Based on available data the classification criteria are not met.

STARCH (9005-25-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Prolonged contact may cause slight skin irritation with local redness

Serious eye damage/eye irritation Based on available data the classification criteria are not met.

Respiratory or skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity Based on available data the classification criteria are not met.

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity Based on available data the classification criteria are not met.

STOT - single exposure Based on available data the classification criteria are not met.

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard Based on available data the classification criteria are not met.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

12.6. Other adverse effects

No information available.

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

Waste from residues/unused products Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**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 No

14.6 Special precautions for user
 Special Provisions None

IMDG

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 No

14.6 Special precautions for user
 Special Provisions None

14.7 Maritime transport in bulk according to IMO instruments No information available

RID

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 No

14.6 Special precautions for user
 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 No

14.6 Special precautions for user

Special Provisions

None

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

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories**TSCA**

Contact supplier for inventory compliance status

DSL/NDSL

Contact supplier for inventory compliance status

EINECS/ELINCS

Contact supplier for inventory compliance status

ENCS

Contact supplier for inventory compliance status

IECSC

Contact supplier for inventory compliance status

KECI

Contact supplier for inventory compliance status

PICCS

Contact supplier for inventory compliance status

AIIC

Contact supplier for inventory compliance status

NZIoC

Contact supplier for inventory compliance status

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**AIIC** - Australian Inventory of Industrial Chemicals**NZIoC** - New Zealand Inventory of Chemicals**15.2. Chemical safety assessment****Chemical Safety Report**

No Chemical Safety Assessment has been carried out for this substance/mixture

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note **SDS sections updated 1 4 5 6 7 8 9 10 11 12 14 16****Classification procedure**

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Prepared By Lisa Bland
Supersedes date 30-Mar-2026
Revision date 09-Jul-2026

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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