

# POWER GRANULES®

- + More efficient alternative to sink based ware washing solutions and conventional, water based machines.
- + Less impact on our environment – less water, detergent and energy
- + The tiny, blue granules blasts off food and stubborn residues faster than countless liters of hot water, hazardous chemicals and detergent

## More than just plastic

The material in PowerGranules has been approved for use in contact with food, and is also harmless to ingest.

Granules need to have the exact right shape and density, in order to give a satisfactory wash result. They also need to be hard enough to remove all stuck on food effectively, but soft enough not to damage the goods or the machine interior. To attain these qualities, the brand PowerGranules has undergone

thousands of hours of development and testing.

Used PowerGranules are handled as combustible waste.

## Why PowerGranules?

- + No soaking or scrubbing – eliminates the need for pre-washing
- + Optimized density and size for optimal removal rate – tested and verified on all Nor:disk machines
- + Approved for contact with food
- + The granules are used over and over again in the machine – wash after wash
- + The right qualities – a result of more than 30 years of research and testing
- + The material composition is developed not to harm any of the parts in the machines

## Top Up and exchange of PowerGranules

To maintain an impeccable wash result it is essential to have the right amount of PowerGranules in the machine.

## Top Up

Check the granule level (amount of granules) on a daily basis against the markings in the granule collector. Top up with granules when needed.

## Exchange of PowerGranules

GD Memo™ keeps tabs on number of run wash cycles and reminds the operator when the granules are worn out and it is time for an exchange.

## Durability

PowerGranules will last for between 2.500–3.500 cycles, depending on most frequent programme choice, machine type and wash ware.



## ASSORTMENT

10 liters [Art.no. 22633] 20 liters [Art.no. 22634]




power  
**GRANULES®**

# SAFETY DATA SHEET

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Rev. date: 14-10-2023 Version 7 Page 1 (1)

1. NAME OF PRODUCT AND COMPANY	1.1 Product name: PowerGranules® 1.2 Nature of product: Plastic granulate for pot washing machines. 1.3 Supplier: Nordisk Clean Solutions AB, Jägershillgatan 13, SE-213 75 Malmö, +46(0)40-6715060, info@nordiskclean.com 1.4 Emergency information: Call your local emergency number
2. HAZARDS IDENTIFICATION	2.1 In case of fire or thermal degradation hazardous gases might occur. 2.2 The product is not regulated and no hazard labelling is required according to CLP and REACH annex XVII.
3. INFORMATION OF INGREDIENTS	Mixtures: Polyoxymethylene-copolymer, CAS No.: 24969-26-4, 100%
4. FIRST AID MEASURES	
General:	In case of fire or thermal degradation hazardous gases might occur.
Ingestion:	In the event of discomfort, seek medical advice.
Inhalation:	In the event of accidentally inhaling gases, seek fresh air. If discomfort persists, seek medical advice.
Eye contact:	Rinse with water, may cause mechanical irritation.
Skin contact:	If molten product comes into contact with skin, rinse thoroughly with cold water. Do not attempt to remove solidified product from skin. Seek medical treatment.
5. FIREFIGHTING MEASURES	5.1 Suitable extinguishing media: Extinguish with carbon dioxide (CO <sub>2</sub> ) or water. 5.2 Hazardous combustion products: Combustion gases.
6. ACCIDENTAL RELEASE MEASURES	6.1 General: Sweep up spilled granules to prevent risk of slipping or of granules ending up in the drain. Handled as non-hazardous industrial waste, see point 13. 6.2 Environmental precautions: Avoid release to the environment.
7. HANDLING AND STORAGE	Should be stored dry and free of contamination. Protect from sunlight.
8. EXPOSURE CONTROL / PERSONAL PROTECTION	8.1 Control parameters: PNEC and DNEL; The obligation to register acc. to REACH Regulation (EC) No 1907/2006 does not apply to polymers. 8.2 Exposure controls: Wear a protective mask, protective goggles and possibly also protective clothing when handling molten material. Wash your hands after direct contact with Granules that has been in the potwasher. Gases injurious to health can be given off in the event of fire or thermal breakdown.
9. PHYSICAL & CHEMICAL PROPERTIES	
Physical state:	Solid, granular
Color:	Light and dark blue
Melting point:	165 °C
Density:	1,41 g/cm <sup>3</sup>
Solubility in water:	Non soluble
Auto-ignition temperature:	> 300 °C
Decomposition temperature:	> 250 °C
10. STABILITY AND REACTIVITY	The product is regarded as stable. In case of fire or thermal degradation, hazardous gases might occur.
11. TOXICOLOGICAL INFORMATION	Information on hazard classes as defined in Regulation (EC) No 1272/2008
	Acute toxicity (oral): Not classified Acute toxicity (dermal): Not classified Acute toxicity (inhalation): Not classified Skin corrosion/ irritation: Not classified Serious eye damage/ irritation: Not classified Respiratory or skin sensitization: Not classified Germ cell mutagenicity: Not classified Carcinogenicity: Not classified Reproductive toxicity: Not classified STOT-single exposure: Not classified STOT-repeated exposure: Not classified Aspiration hazard: Not classified
Information on other hazards:	The product does not contain any substances considered to have endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
12. ECOLOGICAL INFORMATION	Ecotoxicity: The product is not considered as toxic.
13. DISPOSAL CONSIDERATIONS	Waste type: 20 01 39 Plastics. Water hazard class: WGK 1
Spillage or unused granules:	Handled as non-hazardous industrial waste. Appropriate for sorting as combustible waste.
Used granules:	Should be sealed in a plastic bucket with a lid or in a plastic bag before being sorted as combustible waste.
Packaging:	Canister to be recycled and sorted as 02 HDPE 
14. TRANSPORT INFORMATION	General: Not classified as a dangerous goods under transport regulations.
15. REGULATORY INFORMATION	15.1 Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU): Listed in above regulation: No 15.2 A safety data sheet for this product is legally not required, but is provided as a courtesy to our customers. Product is not classified as hazardous. Chemical Safety Assessment not required.
16. OTHER INFORMATION	According to EU law, this product is not classified as hazardous. Replaces previous version Rev. date 23-03-2020 version 6.

The information given in this safety data sheet is correct to the best of our knowledge and as far as we can determine at the date of its publication. This information is intended only as a guide for safe handling, use, processing, storage, transport, waste management and emissions, and must not be regarded as constituting a guarantee or quality specification. The information relates only to the material specified and does not apply to this material when used in combination with any other material or process not specified in the text.

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CLEAN SOLUTIONS