

November 2018

TECHNICAL DATA SHEET

Cleaning Granulate

For polyamide (PA)

Cleaning Granulate is suited for cleaning tank systems for polyamide (PA) residue. In addition to tank systems, Cleaning Granulate is suitable for cleaning tubes and nozzles.

COMMERCIAL FORMS

- * Flakes

PHYSICAL FORMS

* Colours	Light white
* Smell	Low
* Softening range	66-68°C
* Boiling range.....	> 200°C
* Flash point	Approx. 180°C
* Auto ignition temperature	> 200°C
* Explosion hazard	Dust risk
* Relative density	0,84 at 75°C
* Solubility.....	Unsoluble
* OAR-Code	00-3



USE

- * Fill the tank with granulate cleaner to the maximum mark and heat the tank to max. 170°C.
- * Let the product melt and become fluid at low temperature (flashpoint 180 °C).
- * Release a small amount of cleaner – wait 1 minute – release a small amount of cleaner – wait 1 minute. Continue until the tank is empty.
- * Repeat the process if necessary.
- * Refill the tank with Knot filler. Let the first round through to clean out residues.
- * Use the gun and filler as normal.

NOTICE!

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PACKING

- * Bag..... 25 kg

SAFETY DATA SHEET

Cleaning Granulate

According to Directive 1999/45/EC, 2010/75/EU (VOC), Regulations (EC) Nos 1272/2008 and 1907/2006 (REACH) and CLP 1272/2008

Issued: November 2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product identifier

Product name: Cleaning Granulate

1.2 Relevant information of the substance/mixture and uses advised against

Use: For cleaning polyamide (PA) residue from tank systems, tubes, and nozzles.



1.3 Details of the supplier of the Safety Data Sheet

Supplier: Wood Repair by Boegh Consult A/S
Charles Lindberghs Vej 6
DK-9430 Vadum, Denmark
Tel: +45-9827 1919
Mail: info@woodrepair.dk
Contact person: Susanne Bøgh

1.4 Emergency telephone number

24H Emergency phone: +45 82121212 Bispebjerg Hospital poisonous line

2. HAZARDS IDENTIFICATION

2.1 Classifications of the product/mixture according to 1272/2008

Not classified

2.2 Classification according to CLP 1272/2008

Not classified

2.3 Other information/dangers:

Safety/dangers: None in solid form. Burn hazards when melted (according to our knowledge the fumes coming from the material when applied do not show any danger). Nevertheless, we recommend use of ventilation at the working place. See §8. Take normal care for dust explosions.

OAR-code: 00-3 (1993)

3. COMPOSITION – INFORMATION ON INGREDIENTS

3.1/2 Ingredients/mixture

Chemical name: Fatty acids, C16-18.

Chemical nature: Substance of unknown or variable composition, complex reaction products or biological material (UVCB).

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008	Specific concentration limit (SCL)	REACH Registration Number
Fatty acids, C16-18	266-928-5	67701-03-5	80-100	^		01-2119543709-29-XXXX

3.2 Other information

The full text of all H-danger sentences is shown in section 16. Exposure limits shown in section 8.

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) – Annex XVII – Substances subject to Restriction

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

EU-REACH (1907/2006) – Annex XIV – List of substances subject to Authorization

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

- In general: Burn hazards when the cleaning granulate is temperate (according to our knowledge the fumes coming from the material when applied do not show any danger).
- Inhalation: Seek fresh air if you feel discomfort. See a doctor if you continue to feel discomfort.
- Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes. Rinse with plenty of cold water until pain disappears and continue another 15 min. Moisturize skin with non-perfumed cream - see a doctor if necessary.
- Eye contact: Rinse with plenty of cold water immediately, also under eyelids. See an ophthalmologist and continue rinsing during transport.
- Ingestion: Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: During hot processing: May cause respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison control hotline immediately if large quantities have been ingested or inhaled. +45 8212 1212 (Open 24/7)

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguish media: Carbon dioxide (CO₂). Dry chemical. Extinguishing powder. Do not use full water jet.

5.2 Special hazards arising from the substance/mixture

Specific dangers: In case of fire promptly remove all persons from the scene. No action shall be taken involving any personal risk without suitable training.
In case of high temperatures hazardous decomposition products may occur – Carbon dioxide, carbon monoxide, metal oxides, dust and fumes.

5.3 Advice for firefighters

Protection: Use protection clothes and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Protection person: See section 8

6.2 Environmental precautions

Environment: Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and cleaning up

Cleaning methods: Gather spillage into waste drums or plastic bags. Melted product can be gathered after cooling. Use personal protective equipment as required. Sam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Where possible allow molten material to solidify naturally.

6.4 Reference to other sections

See section 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: No eating, drinking or smoking in areas where this product is handled, stored or processed. Wash hands and face before eating, drinking or smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Do not reuse product container.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10), food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Room temperature between 5° - 20°.

7.3 Specific and use(s)

To be used only as specified in Technical Data Sheet plus section 1 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters




Exposure limits: Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

DNEL/PNEC -

8.2 Exposure controls

Tech. measures: Ensure effective ventilation. Process ventilation recommended.

General: In the event that the working process is covered by the Directive for Work with OAR code numbered products (Labour Inspectorate Directive no. 302/1993) the personal measures must be chosen accordingly. See OAR code number in the Section 2 Hazard identification. Smoking, eating or drinking, as well as storage of tobacco, food and drinks not allowed in working area. Wash hands and other exposed areas with mild soap and water before ingestions of food and beverage or smoking, as well as at the end of work. Ensure access to eye rinsing bottle and emergency shower (relevant for melted product). Avoid contact with skin and eyes of temperate product.

Personal means:	Personal means to be chosen in accordance with current CEN standards and in cooperation with the supplier of personal means.	
Eye:	Use protection goggles if risk of contact with melted product. EN 166	
Inhalation:	Ensure process ventilation of working area.	  
Hand:	We recommend use of non-fusible gloves.	
Skin:	Standard non-fusible working clothes.	
Environment:	Prevent any material from entering drains or waterways.	
Hygiene:	At every break and at the end of the working day all exposed areas of the body must be washed carefully. Always wash hands, forearm and face.	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

* Physical state	Solid liquid
* Colour	Cream white
* Odour	Slight
* Odour Threshold	No information available

Property	Values	Remarks - Method
pH	7	-
Melting point/freezing point	60°C	-
Boiling point	Approx. 240°C / 464°F	-
Flash point	Approx 180°C / 356°F	ASTM D92
Evaporation rate	No information available	-
Flammability (solid, gas)	No information available	No applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	-
Lower Flammability Limit	No information available	-
Vapour pressure	< 0.01	hPa@20°C
Vapour density	No information available	Not applicable
Specific gravity	No information available	-
Water solubility	0.05 g/l @ 25°C	Insoluble
Solubility in other solvents	Organic solvents	-
Partition coefficient	>5 (est)	-
Autoignition temperature	300°C / 572°F	-
Decomposition temperature	No information available	-
Explosive properties	No information available	-
Explosive limits	No information available	-
Upper	No information available	-
Lower	No information available	-
Oxidising properties	No information available	-
Kinematic viscosity	No information available	-
Dynamic viscosity	No information available	-
Bulk density	No data available	-
VOC content (%)		

9.2 Other information

OAR code: 00-3 (1993).

10. STABILITY AND REACTIVITY

- 10.1 Reactivity** There is no reactivity if used as described in Technical Data Sheet plus section 1.2 of SDS.
- 10.2 Chemical stability** The product is stable if handled as described in Section 7.
- 10.3 Possibility of hazardous reactions** None known under normal processing.
- 10.4 Conditions to avoid** Keep away from strong heat, flames, and sparks.
- 10.5 Incompatible materials** Incompatible with strong acids and bases.
- 10.6 Hazardous decomposition prod.** None under normal use conditions.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

The Granulate Cleaner does not present an acute toxicity hazard based on known or supplied information.

Inhalation:	No data available
Eye contact:	Product is not irritating to the skin or eyes.
Skin contact:	Product is not irritating to the skin or eyes.
Ingestion:	No data available.
Sensitisation:	Not applicable.

Skin corrosion/-irritation	Not classified
Serious eye damage/-irritation	Not classified
Respiratory or skin sensitisation	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	Kinematic viscosity. 12mm ² /s @70C.

Toxicity data Data obtained on the component(s) include

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Fatty acids, C16-18 67701-03-5	>2000 mg/kg (rat)	LD50 >2000 mg/kg (rabbit)	-

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity** Not classified hazardous to environment.

Component information Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Fatty acids, C16-18 67701-03-5	-	LC50(96h)>1000mg/L (fish) (Danio rerio)	-	-

- 12.2 Persistence and degradability** No information available
- 12.3 Bioaccumulative potential** No potential.

Partition coefficient >5 (est)

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment Contains no substances according to the PBT and vPvB criteria.

12.6 Other adverse effects This product does not contain any known or suspected endocrine disruptors.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Should not be released into the environment.

Gather residues into waste containers. Destroy according to the rules given by the local/national authorities.

Improper disposal or reuse of this container may be dangerous and illegal.

14. TRANSPORT INFORMATION

Non-dangerous product.

Transportation information	ADR/RID	IMDG/IMO	ICAO (air)	IATA
14.1 UN-number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazard MP EMS	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special precautions for user	None	Np	None	None
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code	-	No information available		
Other information	-	-		

15. REGULATORY INFORMATION

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

Ministry of the environment Directive o. 1075 dated 24th November 2011 on classification, packing, labelling, sale and storage of chemical substances and products.

Labour Inspectorate (LI) Directive no. 292 dated April 26th 2001 on Work with substances and material (chemical agents) with changes.

Directive no. 559 dated July 4th 2002 on Specific obligations for producers, suppliers and importers of substances and material in accordance with the Working Environment Act.

LI-Directive no. 507 dated 17th May 2011, with changes.

LI-Guidance 1134-2011 on Exposure limits for substances and materials.

LI-Directive no. 908 dated 27th September 2005 on Measures to prevent risk of Cancer working with substances and material, with changes.

LI- Directive no. 239 dated April 6th 2005 on Youth workers, with changes.

LI-Guidance no. 1309 dated 18th December 2012 on waste disposal.

Defence Ministry Direction no. 17 dated 4th January 2010 on flammable liquids.

LI-Directive no. 301 dated May 13th 1993 on clarification of OAR Code numbers.

Directive no. 48 dated January 13th 2010 on Waste disposal.

EC Directive 1272/2008 (CLP), EC Directive 453/2010 (Update CLP)

EC Directive 1907/2006 (REACH)

EC Directive 2010/75 (VOC)

Further information: OAR code (1993) 00-3

15.2 Chemical safety assessment

No chemical safety assessment has been made for the product.

16. OTHER INFORMATION

16.1 Full wording of H-sentences in section 3:

None mentioned

Legend

SVHC: Substances of Very High Concern for Authorities

Section 8: Exposure controls/personal protection

TWA: TWA (time-weighted average)

STEL: Short term exposure limit

Ceiling: Maximum limit value

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT (RE): Specific target organ toxicity – repeated exposure

STOT (SE): Specific target organ toxicity – single exposure

EWC: European Waste Catalogue

Personnel to be instructed in correct use of the product. Personnel must read this Safety Data Sheet before using the product including the Technical Data Sheet.

To the best of our knowledge the information given herewith is accurate. However, no liability what so ever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

Issued by:

Susanne Bøgh

