

## MATERIAL SAFETY DATA SHEET

ZKO-00001 Gildewerk RSPO

### 1. Identification of the Substance and the Company

Product Name	<b>Gildewerk RSPO</b>
Recommended Use	Toilet soap base
Supplier	Gildewerk BV A. Hofmanweg 41 2031 BH Haarlem The Netherlands Tel. 31 - (0)23 - 532 22 55 Fax 31 - (0)23 - 534 09 65 E-mail: holland@gildewerk.com

### 2. Hazards Identification

Product is non-hazardous

### 3. Composition / Information on Ingredients

Sodium soap. General formula:  $C_nH_{2n+1}COONa$

Chemical Name	CAS N°	EINECS N°
Sodium Palmate	61790-79-2	263-162-3
Sodium Palm Kernelate	61789-89-7	263-097-0
Water	7732-18-5	231-791-2
Sodium Chloride	7647-14-5	231-598-3
Glycerine	56-81-5	200-289-5
Palm Kernel Acid	101403-98-9	309-936-7
Tetrasodium Etidronate (HEDP)	3794-83-0	223-267-7
Tetrasodium EDTA	64-02-8	200-573-9

## 4. First Aid Measures

When inhaled:	Move exposed person to fresh air.
When in contact with skin:	Remove patient to uncontaminated area. Remove contaminated clothing and rinse skin with water.
When in contact with eyes:	Remove contact lenses, if any rinse eyes with water until irritation subsides.
When ingested:	Drink milk/water and seek medical attention if necessary

## 5. Fire – fighting measures

Suitable fire-fighting agents	<u>Normal Class A fires, dry chemicals, carbon dioxide, foam or water</u>
Extinguishing media which must not be used for safety reasons:	None
Specific hazards in the event of fire	Avoid from strong oxidizing agents
Protection of fire-fighters (use of protective equipment, etc.)	Wear safety goggles and other Personal Protective Equipment.

## 6. Accident release measures

Personal precautions, protective equipment and emergency procedures	Wear safety goggles and other Personal Protective Equipment.
Environmental precautions	Do not allow to flow into drainage system
Methods and materials for containment and cleaning up	Shovel up and rinse area with water. Dispose off in accordance with local, state and federal regulation.

## 7. Handling and storage

Precautions for safe handling	Avoid contact with eyes. Wear goggles when handling.
Conditions for safe storage, including any incompatibilities	Keep in a cool and dry place, avoid extreme heat and cold.  Avoid contact with strong oxidizing agents.

Shelf life Conditions	Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss. The shelf life of soap noodles is one year after the manufacturing date with recommended storage condition at 25 +/- 5°C and relative humidity of 70 +/- 10%. Moisture content of soap noodles is subjected to change during storage. It is always recommended to reconfirm moisture content prior to us
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<b>8. Exposure controls and personal protection.</b>	
Control parameters	None
Appropriate engineering controls	No special engineering requirements
Individual protection measures, such as personal protective equipment (PPE):	Wear safety goggles

<b>9. Physical and Chemical Properties</b>	
Appearance	White /milky pellets
Odour	Mild fatty odour
Odour Threshold	Not available
pH(10% soap solution)	8-10
Melting Point / Freezing Point(oC)	Above 150°C
Initial Boiling Point & Boiling Range	Above 300°C
Flash Point	Approx 300 °C
Evaporation rate	Less than 1 (Ether =1)
Flammability (solid, gas)	Not applicable
Upper/lower flammability or Explosive limits	Not applicable
Vapour pressure	Approx .1mm Hg at 25°C
Vapour density	More than 1 (air=1)
Relative density	Not available
Solubility	Miscible with water(20°C)
Partition coefficient n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Specific gravity (at temperature 4°C, pressure 1 atm)	Slightly more than 1.0
Relative molecular mass	278.41
Bulk density	Approx. 600 kg/m3

## 10. Stability and Reactivity.

Reactivity	Not known
Chemical stability	Not known
Possibility of hazardous reactions	Not known
Conditions to avoid	Avoid contact with strong oxidising agents
Incompatible materials	Not known
Hazardous decomposition products	Not applicable

## 11. Toxicological information.

Acute toxicity	Sodium Palmitate: LD50 (oral, rat) >10000 mg/kg
Skin corrosion/irritation	Not available
Serious eye damage/irritation	This may result in slight transient and superficial effects
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not listed by IARC, NTP, or regulated by OSHA as a mutagen
Carcinogenicity	Not available
Reproductive toxicity	No harmful
STOST-single / repeated exposure	No harmful
Aspiration hazard	Not available

## 12. Ecological information.

Aquatic Toxicity	Not available
Persistence and degradability	Biodegradable
Bioaccumulative potential	Not available
Mobility in soil	Not available
Other adverse effect	Not available

## 13. Disposal consideration.

Disposal method is in accordance with all applicable national environment laws and regulation

## 14.. Transport information

UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class	Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR
Packing Group	None
Environmental Hazard:	Marine pollutant (Yes/No): No MARPOL Annex II: Not categorized

## 15. Regulatory information.

Classification and labelling according to GHS	None
Classification and labelling according to EC:	None

## 16. Other Information.

Not available

This Material Safety Data Sheet does not constitute any warranty or guarantee as to the quality, properties, condition or otherwise of the product. It has been prepared from the best knowledge available to us and we shall not be liable for any insufficiency or inaccuracy in such information in any case whatsoever.

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