

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 20/06/2023 Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture

Product name : SCENTED DRYER BALLS - PETALS & PEARLS

UFI : FK1C-XXEW-KS1T-PW75

Product code : AP-IB-SDB-PP-279 / AP-IB-SDB-R-PP-281

Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use Use of the substance/mixture : Air Freshener

### 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

Supplier UK

R P R Keeling Limited T/A Keelings Group

Airpure International Limited T/A Keelings Group

38 Main Street Airpure House Parsons Lane, Bury.

K67 E0A2 Swords – Dublin BL9 0JT Lancashire

Ireland

T +353 (0)1 96 97 657 T UK FREEPHONE 0800 005 1010 <u>info@airpure.com</u> - <u>www.airpure.com</u> - <u>www.airpure.com</u>

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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

### Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

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Contains : Lavandula angustifolia oil (Lavender oil); Allyl cyclohexyl propionate

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eve irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions. P264 - Wash hands thoroughly after handling.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

P273 - Avoid release to the environment.

P501 - Dispose of contents and container to Collection point.

Child-resistant fastening : Not applicable Tactile warning : Not applicable

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Aluminium oxide (1344-28-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Calcium carbonate (471-34-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate substance with national workplace exposure limit(s) (GB)	CAS-No.: 471-34-1 EC-No.: 207-439-9 REACH-no: 01-2119486795- 18	20 – 50	Not classified
Aluminium oxide substance with national workplace exposure limit(s) (GB)	CAS-No.: 1344-28-1 EC-No.: 215-691-6 REACH-no: 01-2119529248- 35	20 – 50	Not classified
Ammonium stearate	CAS-No.: 1002-89-7 EC-No.: 213-695-2	10 – 20	Eye Irrit. 2, H319
Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	CAS-No.: 91995-81-2 EC-No.: 295-344-3	10 – 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Jasmine oil	CAS-No.: 8022-96-6 EC-No.: 617-015-9	2-5	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Allyl cyclohexyl propionate	CAS-No.: 2705-87-5 EC-No.: 220-292-5	2-5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Lavandula angustifolia oil (Lavender oil)	CAS-No.: 8000-28-0 EC-No.: 616-770-1	2-5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

## 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

## 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapours/spray.

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#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## 7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

Aluminium oxide (1344-28-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1] 10 mg/m³ 4 mg/m³	
Calcium carbonate (471-34-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³ 4 mg/m³

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

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## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

### Personal protective equipment symbol(s):







### 8.2.2.1. Eye and face protection

### Eye protection:

Safety glasses

## 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

Vapour pressure

Vapour pressure at 50°C

### 8.2.2.3. Respiratory protection

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

### **Environmental exposure controls:**

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

: Solid Physical state Colour white. Appearance Pellets/tablets.

Odour Odour threshold Not available Melting point Not available Not applicable Freezing point

Fresh

Not available

: Not available

Boiling point Not available Flammability Non flammable. **Explosive limits** Not applicable Lower explosion limit Not applicable Upper explosion limit Not applicable Flash point Not applicable Not applicable Auto-ignition temperature Decomposition temperature Not available Not available рΗ pH solution Not available Viscosity, kinematic Not applicable Not available Solubility Partition coefficient n-octanol/water (Log Kow) : Not available

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Density : Not available
Relative density : Not available
Relative vapour density at 20°C : Not applicable
Particle size : Not available

### 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

## 11.1. 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

Ammonium stearate (1002-89-7)		
LD50 oral rat	> 5000 mg/kg (Rat, Oral)	
Aluminium oxide (1344-28-1)		
LD50 oral rat	> 15900 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 oral	> 10000 mg/kg bodyweight	
LC50 Inhalation - Rat	> 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))	
LC50 Inhalation - Rat (Dust/Mist)	> 2300 mg/l	
Calcium carbonate (471-34-1)		
LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female,	

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Ammonium stearate (1002-89-7)         pH       7.6 (3 %)         Aluminium oxide (1344-28-1)         pH       9 − 10.5 (aqueous suspension, 33 %)         Calcium carbonate (471-34-1)         pH       8 − 9 (10 %, 20 °C)         Serious eye damage/irritation : Causes serious eye irritation.         Ammonium stearate (1002-89-7)         pH       7.6 (3 %)         Aluminium oxide (1344-28-1)         pH       9 − 10.5 (aqueous suspension, 33 %)         Calcium carbonate (471-34-1)         pH       8 − 9 (10 %, 20 °C)	Calcium carbonate (471-34-1)	
Experimental value, Darmal, 14 day(s))   LD50 dermal   > 2000 mg/kg bodyweight	LD50 oral	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	LD50 dermal rat	
value, Inhalation (aerosol), 15 day(s))   LC50 Inhalation - Rat (Dust/Mist)   > 3000 mg/l   Skin corrosion/irritation   : Causes skin irritation.   Ammonium stearate (1002-89-7)   PH	LD50 dermal	> 2000 mg/kg bodyweight
Skin corrosion/irritation : Causes skin irritation.  Ammonium stearate (1002-89-7) pH 7.6 (3 %)  Aluminium oxide (1344-28-1) pH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1) pH 8 - 9 (10 %, 20 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ammonium stearate (1002-89-7) pH 7.6 (3 %)  Aluminium oxide (1344-28-1) pH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1) pH 8 - 9 (10 %, 20 °C)  Respiratory or skin sensitisation : May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified Carcinogenicity : Not classified STOT-repeated exposure : Not classified SCENTED DRYER BALLS - PETALS & PETALS & PETALS & PETALS & SCENTED DRYER BALLS - PETALS & PETALS	LC50 Inhalation - Rat	
Ammonium stearate (1002-89-7) pH	LC50 Inhalation - Rat (Dust/Mist)	> 3000 mg/l
pH 7.6 (3 %)  Aluminium oxide (1344-28-1) pH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1) pH 8 - 9 (10 %, 20 °C) Serious eye damage/irritation : Causes serious eye irritation.  Ammonium stearate (1002-89-7) pH 7.6 (3 %)  Aluminium oxide (1344-28-1) pH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1) pH 8 - 9 (10 %, 20 °C) Respiratory or skin sensitisation : May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified Germ cell mutagenicity : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified SCENTED DRYER BALLS - PETALS & PEARLS Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7) Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1) Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	Skin corrosion/irritation :	Causes skin irritation.
Aluminium oxide (1344-28-1)  pH	Ammonium stearate (1002-89-7)	
PH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1)  PH 8 - 9 (10 %, 20 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ammonium stearate (1002-89-7)  PH 7.6 (3 %)  Aluminium oxide (1344-28-1)  PH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1)  PH 8 - 9 (10 %, 20 °C)  Respiratory or skin sensitisation : May cause an allergic skin reaction.  Gern cell mutagenicity : Not classified Carcinogenicity : Not classified Serproductive toxicity : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified STOT-speated exposure : Not classified STOT-peated exposure : Not classified SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	рН	7.6 (3 %)
Calcium carbonate (471-34-1)  pH	Aluminium oxide (1344-28-1)	
B = 9 (10 %, 20 °C) Serious eye damage/irritation : Causes serious eye irritation.  Ammonium stearate (1002-89-7)  pH	рН	9 – 10.5 (aqueous suspension, 33 %)
Serious eye damage/irritation : Causes serious eye irritation.  Ammonium stearate (1002-89-7)  pH	Calcium carbonate (471-34-1)	
Ammonium stearate (1002-89-7) pH	рН	8 – 9 (10 %, 20 °C)
Aluminium oxide (1344-28-1)  pH 9 - 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1)  pH 8 - 9 (10 %, 20 °C)  Respiratory or skin sensitisation : May cause an allergic skin reaction.  Gern cell mutagenicity : Not classified  Carcinogenicity : Not classified  STOT-single exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified SSTOT-single exposure : Not classified Aspiration hazard : Not applicable  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic	Serious eye damage/irritation :	Causes serious eye irritation.
Aluminium oxide (1344-28-1)  pH	Ammonium stearate (1002-89-7)	
pH 9 – 10.5 (aqueous suspension, 33 %)  Calcium carbonate (471-34-1)  pH 8 – 9 (10 %, 20 °C)  Respiratory or skin sensitisation : May cause an allergic skin reaction.  Gern cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not applicable  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	рН	7.6 (3 %)
Calcium carbonate (471-34-1)  pH	Aluminium oxide (1344-28-1)	
Respiratory or skin sensitisation : May cause an allergic skin reaction.  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 SCENTED DRYER BALLS - PETALS & PEARLS Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	рН	9 – 10.5 (aqueous suspension, 33 %)
Respiratory or skin sensitisation : May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	Calcium carbonate (471-34-1)	
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 SCENTED DRYER BALLS - PETALS & PEARLS Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7) Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1) Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	рН	8 – 9 (10 %, 20 °C)
Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	• •	•
Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	,	
STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)		
STOT-repeated exposure Aspiration hazard : Not classified  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)		
Aspiration hazard : Not classified  SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)		
SCENTED DRYER BALLS - PETALS & PEARLS  Viscosity, kinematic Not applicable  Ammonium stearate (1002-89-7)  Viscosity, kinematic Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)		
Viscosity, kinematic  Ammonium stearate (1002-89-7)  Viscosity, kinematic  Not applicable  Aluminium oxide (1344-28-1)  Viscosity, kinematic  Not applicable  Calcium carbonate (471-34-1)	Aspiration hazard :	Not classified
Ammonium stearate (1002-89-7)  Viscosity, kinematic  Aluminium oxide (1344-28-1)  Viscosity, kinematic  Not applicable  Calcium carbonate (471-34-1)	SCENTED DRYER BALLS - PETALS & PEARL	.s
Viscosity, kinematic  Aluminium oxide (1344-28-1)  Viscosity, kinematic  Not applicable  Calcium carbonate (471-34-1)	Viscosity, kinematic	Not applicable
Aluminium oxide (1344-28-1) Viscosity, kinematic  Calcium carbonate (471-34-1)	Ammonium stearate (1002-89-7)	
Viscosity, kinematic Not applicable  Calcium carbonate (471-34-1)	Viscosity, kinematic	Not applicable
Calcium carbonate (471-34-1)	Aluminium oxide (1344-28-1)	
	Viscosity, kinematic	Not applicable
Viscosity, kinematic Not applicable (solid)	Calcium carbonate (471-34-1)	
	Viscosity, kinematic	Not applicable (solid)

## 11.2. Information on other hazards

No additional information available

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## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

Aluminium oxide (1344-28-1)		
LC50 - Fish [1]	> 100 mg/l (96 h, Salmo trutta, Literature study)	
EC50 - Crustacea [1] > 100 mg/l (48 h, Daphnia magna, Literature study)		
Calcium carbonate (471-34-1)		
LC50 - Fish [1]	> 100 % (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)	
EC50 - Crustacea [1]	> 100 % (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea	
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)	

## 12.2. Persistence and degradability

Ammonium stearate (1002-89-7)		
Persistence and degradability	Biodegradability in water: no data available.	
Aluminium oxide (1344-28-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
BOD (% of ThOD)	Not applicable	
Calcium carbonate (471-34-1)		
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	

## 12.3. Bioaccumulative potential

Ammonium stearate (1002-89-7)		
Partition coefficient n-octanol/water (Log Pow)	5.07 (Estimated value)	
Bioaccumulative potential	Not bioaccumulative.	
Aluminium oxide (1344-28-1)		
Bioaccumulative potential	Not bioaccumulative.	
Calcium carbonate (471-34-1)		
Partition coefficient n-octanol/water (Log Pow) -2.12		
Bioaccumulative potential	Not bioaccumulative.	

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## 12.4. Mobility in soil

Aluminium oxide (1344-28-1)	
Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.
Calcium carbonate (471-34-1)	
Surface tension	No data available (test not performed)
Ecology - soil	Low potential for adsorption in soil.

## 12.5. Results of PBT and vPvB assessment

Component	
Aluminium oxide (1344-28-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Calcium carbonate (471-34-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping name					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

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### 14.6. Special precautions for user

#### **Overland transport**

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## **SECTION 15: Regulatory information**

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

### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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# **SECTION 16: Other information**

Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
BLV	Biological limit value			
BOD	Biochemical oxygen demand (BOD)			
COD	Chemical oxygen demand (COD)			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC-No.	European Community number			
EC50	Median effective concentration			
EN	European Standard			
IARC	International Agency for Research on Cancer			
IATA	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
OECD	Organisation for Economic Co-operation and Development			
OEL	Occupational Exposure Limit			
PBT	Persistent Bioaccumulative Toxic			
PNEC	Predicted No-Effect Concentration			
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail			
SDS	Safety Data Sheet			
STP	Sewage treatment plant			
ThOD	Theoretical oxygen demand (ThOD)			
TLM	Median Tolerance Limit			
VOC	Volatile Organic Compounds			
CAS-No.	Chemical Abstract Service number			
N.O.S.	Not Otherwise Specified			
vPvB	Very Persistent and Very Bioaccumulative			
ED	Endocrine disrupting properties			

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4

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Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H312	Harmful in contact with skin.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H319	Causes serious eye irritation.		
H400	Very toxic to aquatic life.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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