

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13

Version: 2.0

Page: 1/9

(30043683/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

#### Luwax® A Granules

#### Recommended use of the chemical and restriction on use

Suitable for use in industrial sector: chemical industry

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Molecular formula:	(C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
Chemical family:	polyethylene wax
Synonyms:	Polyethylene Wax

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 2/9  
(30043683/SDS\_GEN\_US/EN)

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Emergency overview

Use with local exhaust ventilation.  
Dust can form an explosive mixture with air.  
Wear NIOSH-certified chemical goggles.  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.  
Wear chemical resistant protective gloves.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
9002-88-4	100.0 %	Polyethylene wax

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air.

#### If on skin:

Wash thoroughly with soap and water.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

#### If swallowed:

Rinse mouth and then drink plenty of water.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

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

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 3/9  
(30043683/SDS\_GEN\_US/EN)

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

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

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus.

#### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

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

Use personal protective clothing. Information regarding personal protective measures see, section 8.  
Avoid dust formation.

#### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

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

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures below: -20 °C

Protect from temperatures above: 70 °C

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 4/9  
(30043683/SDS\_GEN\_US/EN)

### 8. Exposure Controls/Personal Protection

The nuisance dust limit value is to be kept.

#### **Personal protective equipment**

##### **Respiratory protection:**

Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided.

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Safety glasses with side-shields.

##### **General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	granules
Odour:	product specific
Odour threshold:	No data available.
Colour:	white
pH value:	not applicable
melting range:	101 - 109 °C
solidification temperature:	94 - 100 °C
Boiling point:	not applicable
Flash point:	225 °C
Flammability:	No data available.
Autoignition:	390 °C
Vapour pressure:	not applicable
Density:	0.91 - 0.93 g/cm <sup>3</sup> ( 23 °C)
Bulk density:	450 - 500 kg/m <sup>3</sup>
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Thermal decomposition:	> 250 °C
Viscosity, dynamic:	not applicable, the product is a solid
Viscosity, kinematic:	950 - 1,550 mm <sup>2</sup> /s ( 120 °C)
Particle size:	No data available.
Solubility in water:	insoluble
Solubility (qualitative):	soluble
	solvent(s): non-polar solvents,
Evaporation rate:	No data available.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 5/9  
(30043683/SDS\_GEN\_US/EN)

### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Minimum ignition energy:

0.3 - < 1 J, 1 bar, 20 °C, Inductivity: 1 mH (VDI 2263, sheet 1, 2.5)

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

#### Conditions to avoid

#### Incompatible materials

amines

#### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 250 °C

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### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

##### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

##### Inhalation

Type of value: LC50

Species: rat

not determined

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 6/9  
(30043683/SDS\_GEN\_US/EN)

### Dermal

Type of value: LD50  
Species: rat  
not determined

### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

### Skin

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Eye

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Sensitization

Assessment of sensitization: No sensitizing effect.

### Buehler test

Species: guinea pig  
Result: Non-sensitizing.

### Aspiration Hazard

not applicable

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects.

### Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria.

### Carcinogenicity

Assessment of carcinogenicity: No data available.

### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

### Teratogenicity

Assessment of teratogenicity: No data available.

### Other Information

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

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## 12. Ecological Information

# Safety Data Sheet

## Luwx® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 7/9  
(30043683/SDS\_GEN\_US/EN)

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish

LC50 (96 h) > 500 mg/l, *Leuciscus idus*

Aquatic invertebrates

LC50 (48 h), *daphnia*  
not determined

Aquatic plants

EC50 (72 h), algae  
not determined

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Assessment of terrestrial toxicity

No data available concerning terrestrial toxicity.

### Microorganisms/Effect on activated sludge

Toxicity to microorganisms

DEV-L2 : > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

### Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.

### Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

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## 13. Disposal considerations

**Waste disposal of substance:**

# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13  
Version: 2.0

Page: 8/9  
(30043683/SDS\_GEN\_US/EN)

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

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## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

#### NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

#### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2016/06/13

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our



# Safety Data Sheet

## Luwax® A Granules

Revision date : 2016/06/13

Page: 9/9

Version: 2.0

(30043683/SDS\_GEN\_US/EN)

operations on society and the environment during production, storage, transport, use and disposal of our products.

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