

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2017

Version number 3

Revision: 28.03.2017

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

- **Product identifier**
- **Trade name:** WALLAMID SD
- **Article number:** 531011
- **CAS Number:**  
68425-47-8
- **EC number:**  
270-355-6
- **Registration number**  
The transition period according REACH regulation, article 23 is still not expired.
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Emulsifier
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Wall Chemie GmbH  
Am Selder 25  
D-47906 KEMPEN  
DEUTSCHLAND  
Tel.: +49 2152 8999 0  
Fax: +49 2152 516751  
E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**  
This number is serviced during office hours: +49 2152 8999 0  
Giftinformationszentrum Nord 24h-Auskunft: +49 551 19240

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07



GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:** 68425-47-8 Fatty acid diethanolamide
- **Hazard statements**  
H315 Causes skin irritation.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 29.03.2017

Version number 3

Revision: 28.03.2017

**Trade name: WALLAMID SD**

(Contd. of page 1)

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P391 Collect spillage.

### Other hazards

### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

### Chemical characterisation: Substances

Contains ≤ 5% of an identified impurity deriving from the process used:

2,2'-Iminodiethanol

CAS: 111-42-2

### CAS No. Description

68425-47-8 Fatty acid diethanolamide

### Identification number(s)

EC number: 270-355-6

### Additional information:

The transition period according REACH regulation, article 23 is still not expired.

## 4 First aid measures

### Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

### After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

### After swallowing:

Seek medical treatment.

Rinse mouth.

Do not induce vomiting.

### Information for doctor:

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

No further relevant information available.

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

Risk of aspiration.

## 5 Firefighting measures

### Extinguishing media

### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Organic decomposition products

Carbon oxides (CO<sub>x</sub>)

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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Version number 3

Revision: 28.03.2017

**Trade name: WALLAMID SD**

(Contd. of page 2)

- Nitrogen oxides (NO<sub>x</sub>)
- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Wear protective clothing.  
Avoid contact with eyes or skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Open and handle receptacle with care.  
Wear protective clothing.  
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** Combustible liquid.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.  
The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
- **Respiratory protection:** Not required.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 29.03.2017

Version number 3

Revision: 28.03.2017

**Trade name: WALLAMID SD**

(Contd. of page 3)

### · Protection of hands:



Protective gloves

### · Material of gloves

e.g. Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5$  mm

### · Penetration time of glove material

Minimum breakthrough time : &gt; 120 min (Permeation according to EN 374 Part 3: level 4)

### · Eye protection:



Tightly sealed goggles (EN 166).

### · Body protection: Protective work clothing

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:

Fluid

Colour:

Red-brown

#### · Odour:

Characteristic

#### · Odour threshold:

Not determined.

#### · pH-value (10 g/l) at 20 °C:

ca. 9.0 - 11.0

#### · Change in condition

Melting point/freezing point:

10 - 25 °C

Initial boiling point and boiling range: Undetermined.

#### · Flash point:

Undetermined.

#### · Flammability (solid, gas):

Not applicable.

#### · Ignition temperature:

Decomposition temperature:

Not determined.

#### · Auto-ignition temperature:

Not determined.

#### · Explosive properties:

Product does not present an explosion hazard.

#### · Explosion limits:

Lower:

Not determined.

Upper:

Not determined.

#### · Vapour pressure:

Not determined.

#### · Density at 20 °C:

0.99 g/cm<sup>3</sup>

#### · Relative density

Not determined.

#### · Vapour density

Not determined.

#### · Evaporation rate

Not determined.

#### · Solubility in / Miscibility with water:

Dispersible.

#### · Partition coefficient: n-octanol/water:

Product is an emulsifier.

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 29.03.2017

Version number 3

Revision: 28.03.2017

Trade name: WALLAMID SD

(Contd. of page 4)

- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** Product is stable under normal ambient conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** This statement was deduced from products with a similar structure or composition. According to CESIO-recommendation 03/2017.

Oral	LD50 (in EU nicht kennzeichnungspflichtig)	>2000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** According to CESIO-recommendation 03/2017. Causes skin irritation.
- **Serious eye damage/irritation** According to CESIO-recommendation 03/2017. Causes serious eye irritation.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** no data
- **Carcinogenicity** no data
- **Reproductive toxicity** no data
- **STOT-single exposure** no data
- **STOT-repeated exposure** no data
- **Aspiration hazard** no data

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** The classification was carried out according to CESIO-recommendation 03/2017. This statement was deduced from products with a similar structure or composition.

chronic NOEC / ECx	0.07 mg/l (daphne)
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- **Persistence and degradability** These surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 29.03.2017

Version number 3

Revision: 28.03.2017

Trade name: WALLAMID SD

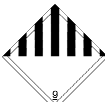

(Contd. of page 5)

- readily biodegradable
- Degradation rate >80% Time (d) 28 days Method OECD 301D
- **Other information:** Own data
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
- Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**
- Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- |   |   |
|---|---|
| • <b>UN-Number</b>  | UN3082  |
| • <b>ADR, IMDG, IATA</b>  |   |
| • <b>UN proper shipping name</b>  | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty acid diethanolamide)              |
| • <b>ADR</b>  |   |
| • <b>IMDG</b>   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty acid diethanolamide), MARINE POLLUTANT |
| • <b>IATA</b>   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty acid diethanolamide)                   |
| • <b>Transport hazard class(es)</b>   |   |
| • <b>ADR, IMDG, IATA</b>  |   |
|   |   |
| • <b>Class</b>  | 9 Miscellaneous dangerous substances and articles.  |
| • <b>Label</b>  | 9   |

(Contd. on page 7)

# Safety data sheet

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Version number 3

Revision: 28.03.2017

**Trade name: WALLAMID SD**

(Contd. of page 6)

· <b>Packing group</b>	III
· <b>ADR, IMDG, IATA</b>	
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes (P) Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
· <b>Danger code (Kemler):</b>	90
· <b>EMS Number:</b>	F-A,S-F
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty acid diethanolamide), 9, III

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Seveso category** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Safety and Health group
- **Contact:** Dr. Astrid Kawka, Dr. Dieter Kawka
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 3

Revision: 28.03.2017

**Trade name: WALLAMID SD**

(Contd. of page 7)

IATA: International Air Transport Association  
 P: Marine Pollutant  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

• **\* Data compared to the previous version altered.**

EU