

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006  
GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

#### 1.1 Product identifiers

**Product Number:** N0011  
**Product name:** NBD-undecanoic acid  
**CAS Registry Nr:** 351002-77-2  
**REACH No.:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Laboratory chemicals, Manufacture of substances.

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

Chemodex AG  
Lindenstrasse 77  
CH - 9000 St. Gallen  
Switzerland, Europe  
**Tel:** +41 71 244 48 25  
**Fax:** +41 71 244 48 26  
**eMail:** info@chemodex.com

#### 1.4 Emergency telephone number

0041 44 251 5151 (Tox Zentrum, CH)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 GHS Label elements, including precautionary statements

### Labelling according Regulation (EC) No. 1272/2008

#### Pictogram



Signal word

Warning

#### Hazard statement (s)

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation

#### Precautionary statement (s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements

none

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Synonyms** 11-(7-Nitrobenzofurazan-4-ylamino)undecanoic acid  
**Mol. Formula** C<sub>17</sub>H<sub>24</sub>N<sub>4</sub>O<sub>5</sub>  
**Mol. Weight** 364.4 g/mol  
**CAS Registry No.:** 351002-77-2

#### Component Classification

Component	Classification	Concentration
11-(7-Nitrobenzofurazan-4-ylamino)undecanoic acid		

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

Page 2/8

	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335	
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For the full text of the H-Statements mentioned in this Section, see Section 16.

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

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

##### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

#### **SECTION 5: Firefighting measures**

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

##### **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

##### **Further information**

no data available

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

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

##### **Environmental precautions**

Do not let product enter drains.

##### **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

Page 3/8

## Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 2 - 8 °C  
Light sensitive. Store under inert gas. Keep in a dry place.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### a) Appearance:

**Form:** powder

**Colour:** dark red

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

Page 4/8

b) <b>Odour:</b>	No data available
c) <b>Odour Threshold:</b>	No data available
d) <b>pH:</b>	No data available
e) <b>Melting point/freezing point:</b>	
<b>Melting point/range:</b>	Melting point/range: 95 °C (203 °F) - lit
f) <b>Initial boiling point and boiling range:</b>	No data available
g) <b>Flash point:</b>	No data available
h) <b>Evaporation rate:</b>	No data available
i) <b>Flammability (solid, gas):</b>	No data available
j) <b>Upper/lower flammability or explosive limits:</b>	No data available
k) <b>Vapour pressure:</b>	No data available
l) <b>Vapour density:</b>	No data available
m) <b>Relative density:</b>	No data available
n) <b>Water solubility:</b>	No data available
o) <b>Partition coefficient (n-octanol/water):</b>	No data available
p) <b>Auto-ignition temperature:</b>	No data available
q) <b>Decomposition temperature:</b>	No data available
r) <b>Viscosity:</b>	No data available
s) <b>Explosive properties:</b>	No data available
t) <b>Oxidizing properties:</b>	No data available

## 9.2 Other safety information

No data available

## SECTION 10: Stability and reactivity

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

No data available

### Incompatible materials

no data available

### Hazardous decompositions products

Other decomposition products - No data available.

## SECTION 11: Toxicological information

**Acute toxicity:** no data available

**Dermal:** no data available

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/eye irritation:</b>	No data available
<b>Respiratory or skin sensitisation:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available

#### **Carcinogenicity**

<b>IARC:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>NTP:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

<b>Reproductive toxicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Specific target organ toxicity- single exposure:</b>	Inhalation - May cause respiratory irritation
<b>Specific target organ toxicity- repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available

#### **Additional Information**

<b>RTECS:</b>	Not available
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### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

No data available

#### **12.2 Persistence and degradability**

No data available

#### **12.3 Bioaccumulative potential**

No data available

#### **12.4 Mobility in soil**

No data available

#### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### **12.6 Other adverse effects**

No data available

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

### 14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

## SECTION 15: REGULATORY INFORMATION

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312

Hazards Acute Health Hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

11-(7-Nitrobenzofurazan-4-ylamino)undecanoic acid CAS-No. - Revision Date

### New Jersey Right To Know Components

11-(7-Nitrobenzofurazan-4-ylamino)undecanoic acid CAS-No. - Revision Date

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure Fluka - 72966 Page 7 of 7

Version 1.0

Revision Date 09.10.2014

Print Date 08.06.2015

Page 7/8

**HMS Rating**

Health hazard: 2  
Chronic Health Hazard:  
Flammability: 0  
Physical Hazard: 0

**NFPA Rating**

Health hazard: 2  
Fire Hazard: 0  
Reactivity Hazard: 0

**Further information**

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