

**Safety Data Sheet**  
**SABOSTAT® DELA**



**Safety Data Sheet dated 1/12/2022, version 7**

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

1.1. Product identifier

Identification of the substance

Trade name: SABOSTAT® DELA  
CAS number: 120-40-1  
EC number: 204-393-1  
REACH number: 01-2119962187-30-0002

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

Recommended use:

Industrial uses: Uses of substances as such or in preparations at industrial sites

Manufacture of fine chemicals

Formulation [mixing] of preparations and/or re-packaging

Antioxidant/stabilizer

additive for industrial plastic manufacturing

Uses advised against:

Not be use in medical devices

1.3. Details of the supplier of the safety data sheet

Company:

SABO SpA

Via Caravaggi

24040 Levate (BG) - ITALY

Tel +39 035 596000

Competent person responsible for the safety data sheet:

sds@sabo.com

1.4. Emergency telephone number

Sabo Spa: Tel +39 035 596000 - 8.00-18.00

International emergency number: 112

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye/face protection.

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

P310 Immediately call a doctor.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

N,N-bis(2-hydroxyethyl)dodecanamide

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance

Chemical characterization: SABOSTAT® DELA




Trade code: D0000000STATDELA

Product type and use: Diethanol amide Anti-stat Additive for plastics

CAS number: 120-40-1

EC number: 204-393-1

REACH number: 01-2119962187-30-0002

Qty	Name	Ident. Number	Classification
100 %	N,N-bis(2-hydroxyethyl)dodecanamide	CAS: 120-40-1 EC: 204-393-1 REACH No.: 01-2119962187-30-0002	 3.2/2 Skin Irrit. 2 H315  4.1/C2 Aquatic Chronic 2 H411  3.3/1 Eye Dam. 1 H318

3.2. Mixtures

N.A.

### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed  
None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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#### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

Carbon monoxide

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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#### SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

Storage temperature : max 25°C

Avoid the formation of dust. Avoid electrostatic charges.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

#### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limit available

#### DNEL Exposure Limit Values

N,N-bis(2-hydroxyethyl)dodecanamide - CAS: 120-40-1

Worker Professional: 73.4 mg/m<sup>3</sup> - Consumer: 21.73 mg/m<sup>3</sup> - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 8.33 mg/kg - Consumer: 5 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Consumer: 6.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

N,N-bis(2-hydroxyethyl)dodecanamide - CAS: 120-40-1

Target: Fresh Water - Value: 0.007 mg/l

Target: Marine water - Value: 0.0007 mg/l

Target: Freshwater sediments - Value: 0.00529 mg/kg

Target: Marine water sediments - Value: 0.0529 mg/kg

Target: Soil (agricultural) - Value: 0.0064 mg/kg

### 8.2. Exposure controls

#### Eye protection:

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### Protection for hands:

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374)

#### Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium /high

efficiency for solid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Thermal Hazards:

None

#### Environmental exposure controls:

None

#### Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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Properties	Value	Method:	Notes
Physical state:	Solid	--	--
Colour:	Whitish	--	--
Odour:	Slight odour	--	--
Melting point/freezing point:	45°C	--	--
Boiling point or initial boiling point and boiling range:	>250°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	160°C at 1013 hPa ° C	--	--
Auto-ignition temperature:	350°C at 1013 hPa	--	--
Decomposition temperature:	>250°C	--	--
pH:		--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	<1 mg/L	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	2.89 at 20°C	--	--
Vapour pressure:	0.002 Pa at 20°C	--	--
Density and/or relative density:	1.1 at 20°C	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	not explosive	--	--
Viscosity:	281.4 mPa ·	--	--

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	s (dynamic) at 20°C		
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**SECTION 10: Stability and reactivity**

- 10.1. Reactivity  
no hazardous reactions if stored and handled as indicated
- 10.2. Chemical stability  
The product is stable if stored and handles as prescribed/indicate
- 10.3. Possibility of hazardous reactions  
No hazardus reaction when stored and handled as prescribe/indicated
- 10.4. Conditions to avoid  
substances to avoid: strong oxidizing agents, strong bases, strong acids
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

**SECTION 11: Toxicological information**

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the substance:

SABOSTAT® DELA - CAS: 120-40-1

- a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation  
The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met
- f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met
- g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met
- h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

- 11.2. Information on other hazards  
Endocrine disrupting properties:  
No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

SABOSTAT® DELA - CAS: 120-40-1

The product is classified: Aquatic Chronic 2 - H411

N,N-bis(2-hydroxyethyl)dodecanamide - CAS: 120-40-1

##### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish = 2.4 mg/l - Duration h: 48 - Notes: OECD Guideline 203

Endpoint: LC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48 - Notes: OECD Guideline 202

Endpoint: NOEC - Species: Fish = 1 mg/l - Duration h: 48 - Notes: OECD Guideline 203

Endpoint: NOEC - Species: Daphnia = 2 mg/l - Duration h: 48

##### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.1 mg/l - Notes: OECD Guideline 211

##### c) Bacteria toxicity:

Endpoint: EC50 - Species: Activated Sludge = 6 grlt

Endpoint: NOEC - Species: Activated Sludge = 0.83 grlt

##### e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 3.9 mg/l - Notes: OECD Guideline 201

Endpoint: NOEC - Species: Algae = 0.3 mg/l - Notes: OECD Guideline 201

##### 12.2. Persistence and degradability

None

N,N-bis(2-hydroxyethyl)dodecanamide - CAS: 120-40-1

Biodegradability: Readily biodegradable - Test: Dissolved organic carbon - Duration: 28 days - %: 84 - Notes: OECD Guideline 301 D

##### 12.3. Bioaccumulative potential

N,N-bis(2-hydroxyethyl)dodecanamide - CAS: 120-40-1

Test: BCF - Bioconcentration factor 37.2

##### 12.4. Mobility in soil

N.A.

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

vPvB Substances: None - PBT Substances: None

##### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

##### 12.7. Other adverse effects

None

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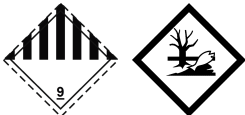
#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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#### SECTION 14: Transport information



##### 14.1. UN number or ID number

ADR-UN Number: 3077

IATA-UN Number: 3077

IMDG-UN Number: 3077

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- 14.2. UN proper shipping name  
 ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N,N-bis(2-hydroxyethyl)dodecanamide)  
 IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N,N-bis(2-hydroxyethyl)dodecanamide)  
 IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (N,N-bis(2-hydroxyethyl)dodecanamide)
- 14.3. Transport hazard class(es)  
 ADR-Class: 9  
 ADR - Hazard identification number: 90  
 IATA-Class: 9  
 IATA-Label: 9  
 IMDG-Class: 9
- 14.4. Packing group  
 ADR-Packing Group: III  
 IATA-Packing group: III  
 IMDG-Packing group: III
- 14.5. Environmental hazards  
 ADR-Environmental Pollutant: Yes  
 IMDG-Marine pollutant: Marine Pollutant  
 IMDG-EmS: F-A, S-F
- 14.6. Special precautions for user  
 ADR-Subsidiary hazards: -  
 ADR-S.P.: 274 335 375 601  
 ADR-Transport category (Tunnel restriction code): 3 (-)  
 IATA-Passenger Aircraft: 956  
 IATA-Subsidiary hazards: -  
 IATA-Cargo Aircraft: 956  
 IATA-S.P.: A97 A158 A179 A197  
 IATA-ERG: 9L  
 IMDG-Subsidiary hazards: -  
 IMDG-Stowage and handling: Category A SW23  
 IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments  
 N.A.

These goods, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 litres or less for liquids or having a net mass per single or inner packaging of 5 kg or less are for solids, are not considered hazardous for transport. Applied SP 375 ADR 2015 and SP A197 ICAO/IATA

#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) n. 2020/878  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
 Regulation (EU) n. 2016/918 (ATP 8 CLP)  
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)

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Regulation (EU) n. 2017/776 (ATP 10 CLP)  
 Regulation (EU) n. 2018/669 (ATP 11 CLP)  
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
 Regulation (EU) n. 2019/521 (ATP 12 CLP)  
 Regulation (EU) n. 2020/217 (ATP 14 CLP)  
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
 Regulation (EU) n. 2021/643 (ATP 16 CLP)  
 Regulation (EU) n. 2021/849 (ATP 17 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Volatile Organic compounds - VOCs = 0.00 g/l  
 Volatile CMR substances = 0.00 %  
 Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %  
 Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :  
 Directive 2012/18/EU (Seveso III)  
 Regulation (EC) nr 648/2004 (detergents).  
 Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):  
 Seveso III category according to Annex 1, part 1  
 Product belongs to category: E2

15.2. Chemical safety assessment  
 A Chemical Safety Assessment has been carried out for the substance.

### SECTION 16: Other information

Text of phrases referred to under heading 3:  
 H315 Causes skin irritation.  
 H411 Toxic to aquatic life with long lasting effects.  
 H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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### SABOSTAT® DELA

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.