

Safety Data Sheet
SABOSTAT® ASE 3



Safety Data Sheet dated 13/12/2022, version 9

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

1.1. Product identifier

Identification of the substance

Trade name: SABOSTAT® ASE 3
Chemical name: 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol
CAS number: 1218787-32-6
EC number: 620-540-6
REACH number: 01-2119510877-33-0012

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

Antistatic agent

additive for industrial plastic manufacturing

Uses advised against:

avoid the use of aerosol, prevent formation of aerosol

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, Acute Tox. 4, Harmful if swallowed.
- ⚠ Danger, Skin Corr. 1, Causes severe skin burns and eye damage.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Warning, Aquatic Acute 1, Very toxic to aquatic life.
- ⚠ Warning, Aquatic Chronic 1, Very 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:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

SABOSTAT® ASE 3

Precautionary statements:

- P264 Wash hands and exposed parts thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- 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/doctor/... if you feel unwell.
- P391 Collect spillage.

Special Provisions:

None

Contains

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

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 ASE 3

Trade code: D0000000STATASE3

Product type and use: Additive

CAS number: 1218787-32-6

EC number: 620-540-6

REACH number: 01-2119510877-33-0012

Qty	Name	Ident. Number	Classification
100 %	2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	CAS: 1218787-32-6 EC: 620-540-6 REACH No.: 01-2119510877-33-0012	<ul style="list-style-type: none"> ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/1 Skin Corr. 1 H314 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=10. ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.

M factor:

M (acute): 10

M (chronic): 1

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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

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

Safety Data Sheet

SABOSTAT® ASE 3

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:

Give nothing to eat or drink.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

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.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safety Data Sheet

SABOSTAT® ASE 3

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature: 0-40°C

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol - CAS: 1218787-32-6

Worker Industry: 0.3 mg/kg - Consumer: 0.214 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 2.112 mg/m³ - Consumer: 0.745 mg/kg - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 0.214 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol - CAS: 1218787-32-6

Target: Marine water - Value: 0.000021 mg/l

Target: Fresh Water - Value: 0.000214 mg/l

Target: 08 - Value: 1.5 mg/l

Target: Freshwater sediments - Value: 1.692 mg/kg

Target: Soil (agricultural) - Value: 5 mg/kg

8.2. Exposure controls

Eye protection:

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

Protection for skin:

Chemical protection clothing.

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

Safety Data Sheet

SABOSTAT® ASE 3

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Solid	--	--
Colour:	N.A.	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	32° C	--	--
Boiling point or initial boiling point and boiling range:	> 300°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	201 ° C	--	--
Auto-ignition temperature:	285°C	--	--
Decomposition temperature:	N.A.	--	--
pH:		--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	INSOLUBLE	--	--
Solubility in oil:	SOLUBLE	--	--
Partition coefficient n-octanol/water (log value):	3.6 (25°C)	--	--
Vapour pressure:	<0.01 kPa, 20°C	--	--
Density and/or relative density:	0.89 gr/cm3	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Safety Data Sheet

SABOSTAT® ASE 3

Properties	Value	Method:	Notes
Explosive properties:	not explosive	--	--
Viscosity:	75 mPa.s (35°C)	--	--

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 hazardous 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
Reacts with copper, aluminium, zinc and their alloys
- 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 ASE 3 - CAS: 1218787-32-6
 - a) acute toxicity
The product is classified: Acute Tox. 4 H302
Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg - Source: OECD 401
 - b) skin corrosion/irritation
The product is classified: Skin Corr. 1 H314
Test: Skin Corrosive - Route: Skin - Species: Rabbit Positive - Source: OECD 404
 - c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
Test: Eye Corrosive - Species: Rabbit Positive
 - d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative - Source: OECD 406
 - e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
Test: Genotoxicity Negative - Source: OEACD 471
 - f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
Test: Carcinogenicity Negative
 - 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

Safety Data Sheet

SABOSTAT® ASE 3

- 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 $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
SABOSTAT ASE 3 - CAS: 1218787-32-6
The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol - CAS: 1218787-32-6
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.043 mg/l - Duration h: 48
- b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Daphnia 810 ul/kg - Notes: 21 days
- e) Plant toxicity:
Endpoint: EC50 - Species: Algae 0.054 mg/l - Duration h: 72
- 12.2. Persistence and degradability
None
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol - CAS: 1218787-32-6
Biodegradability: Readily biodegradable
- 12.3. Bioaccumulative potential
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol - CAS: 1218787-32-6
Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor - Notes: <500 calculated
- 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

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.

SECTION 14: Transport information



- 14.1. UN number or ID number
ADR-UN Number: 3259

Safety Data Sheet

SABOSTAT® ASE 3

IATA-UN Number:	3259
IMDG-UN Number:	3259
14.2. UN proper shipping name	
ADR-Shipping Name:	AMINES, SOLID, CORROSIVE, N.O.S. (Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.)
IATA-Shipping Name:	AMINES, SOLID, CORROSIVE, N.O.S. (Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.)
IMDG-Shipping Name:	AMINES, SOLID, CORROSIVE, N.O.S. (Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.)
14.3. Transport hazard class(es)	
ADR-Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8
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-B
14.6. Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	274
ADR-Transport category (Tunnel restriction code):	3 (E)
IATA-Passenger Aircraft:	860
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	864
IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	SG35
14.7. Maritime transport in bulk according to IMO instruments	
	N.A.

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)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)

Safety Data Sheet

SABOSTAT® ASE 3

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: E1

15.2. Chemical safety assessment
 No Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1	3.2/1	Skin corrosion, Category 1
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

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

Safety Data Sheet

SABOSTAT® ASE 3

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.

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.