

Safety Data Sheet

SABOSTAB® UV 119



SDS according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Safety Data Sheet dated 4/22/2021, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: SABOSTAB® UV 119

Other means of identification:

Trade code: D000000000UV119

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial use

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

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

Manufacture of bulk, large scale chemicals

Manufacture of fine chemicals

Restrictions on use:

This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommended this material as safe and effective for such uses and assume no liability for such uses

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

SABO SpA

Via Caravaggi

24040 Levate BG

ITALY

Sabo Spa

Tel +39 035 596000

fax +39 035 594400

8.00-18.00

Competent person responsible for the safety data sheet:

sds@sabo.com

Emergency phone number

Sabo Spa

Tel +39 035 596000

fax +39 035 594400

8.00-18.00

address of additional emergency medical services

CHEMTREC: 1 (800) 424-9300

Contact only in the event of chemical emergencies involving spill, leak, exposure, or accident involving this chemical.

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

⚠ Warning, Skin Sens. 1A, May cause an allergic skin reaction.

⚠ Warning, Comb. Dust, May form combustible dust concentrations in air.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure in contact with skin and if swallowed.

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

Label elements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

USH003 May form combustible dust concentrations in air.

H373 May cause damage to organs through prolonged or repeated exposure in contact with skin and if swallowed.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust.

P261 Avoid breathing dust or mist.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

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

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see supplementary instructions on this label)

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

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

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

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HEALTH	* 2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	<input type="checkbox"/>

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

75-95 % N,N,N,N-tetrakis(4,6-bis(butyl- (N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine

CAS: 106990-43-6

Non-Hazardous Components :

5-25% Butanedioic acid, 1,4-dimethyl ester, polymer with

4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol Cas: 65447-77-0

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash immediately with plenty of soap and water. Get medical attention if irritation or rash occurs.

Take off contaminated clothing and wash it before reuse.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation occurs.

In case of Ingestion:

Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have person lean forward to reduce the risk of aspiration. Get medical attention immediately

In case of Inhalation:

Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration and get immediate medical attention. Get medical attention if respiratory irritation occurs or if person feels unwell

Most important symptoms/effects, acute and delayed

None

Indication of 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).

Notes to Physician:

May aggravate pre-existing conditions of the skin and lymph system.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

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Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Burning produces heavy smoke, and may produce hazardous combustion products, including carbon monoxide, carbon dioxide, oxides of nitrogen, and other toxic gases.

Hazardous combustion products:

Carbon monoxide

Explosive properties: no

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Standard protective equipment for fighting chemical fires should be used, including self contained breathing apparatus (SCBA) and full fire fighting turn-out gear (full Bunker gear).

Caution: CO₂ used for extinguishing will displace air in confined spaces and may cause an oxygen deficient atmosphere.

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

Water used for extinguishing a fire must be prevented from draining into sewers or being released to the environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Remove all sources of ignition. Sweep up and collect material into suitable containers for reuse or disposal (See Section 13: Disposal Considerations). Use explosion-proof equipment for cleanup that has been designed for use with combustible dusts.

7. HANDLING AND STORAGE

Precautions for safe handling

See also section 8 for recommended protective equipment.

Avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition and do not breathe dust.

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air). Non-sparking tools should be used.

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Storage recommended at room temperature

Avoid the formation of dust. Avoid electrostatic charges.

Dust explosion class: ST class 2 - K_{st} value between 200 and 300 bar m/sec

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

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N,N,N,N-tetrakis(4,6-bis(butyl- (N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine - CAS: 106990-43-6

Worker Professional: 0.35 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.05 mg/kg - Consumer: 0.025 - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.025 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

N,N,N,N-tetrakis(4,6-bis(butyl- (N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine - CAS: 106990-43-6

Target: Fresh Water - Value: 0.06 mg/l

Target: Marine water - Value: 0.006 mg/l

Target: 10 - Value: 0.073 mg/l

Target: Freshwater sediments - Value: 28.3 mg/kg

Target: Marine water sediments - Value: 2.83 mg/kg

Appropriate engineering controls:

Work in well ventilated areas. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment. Use mechanical handling to reduce human contact with materials. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment).

Use only appropriately classified electrical equipment and powered industrial trucks

Individual protection measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Granules,Light yellow
Odour:	slightly aminic
Odour threshold:	N.A.
Melting point / freezing point:	115-150°C
Initial boiling point and boiling range:	NA
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	> 275 ° C
Evaporation rate:	N.A.
Vapour pressure:	N.A.

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Relative density:	1.03
Solubility in water:	<= 2.0 mg/l (20°C)
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	380 °C
Decomposition temperature:	390 °C
Viscosity:	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity

no hazardous reactions if stored and handled as indicated

Chemical stability

The product is stable if stored and handles as prescribed/indicate

Possibility of hazardous reactions

No hazardous reaction when stored and handled as prescribe/indicated

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flames. Avoid electrostatic discharge.

May form flammable/explosive dust-air mixture. Avoid powder form in air.

substances to avoid: strong oxidizing agents, strong bases, strong acids

Incompatible materials

Strong oxidizing agents, strong reducing agents, strong acids, strong bases

Hazardous decomposition products

Burning may produce heavy smoke and hazardous combustion products, including carbon monoxide, carbon dioxide, oxides of nitrogen, and other toxic gases.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1A H317

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

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Based on available data, the classification criteria are not met

- i) STOT-repeated exposure
The product is classified: STOT RE 2 H373
- j) aspiration hazard
Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

N,N,N,N-tetrakis(4,6-bis(butyl- (N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine - CAS: 106990-43-6

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
- c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Mouse Positive - Source: OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
- e) germ cell mutagenicity:
Test: Mutagenesis Negative
- f) carcinogenicity:
Test: Carcinogenicity Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Species: Rat 400 Ppm

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

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The product is classified: Aquatic Chronic 2 - H411

N,N,N,N-tetrakis(4,6-bis(butyl- (N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine - CAS: 106990-43-6

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 119 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 7.3 mg/l - Duration h: 24
- b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Daphnia = 100 mg/l - Notes: 21 days
- e) Plant toxicity:
Endpoint: EC50 - Species: Algae = 5.7 mg/kg - Duration h: 72

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

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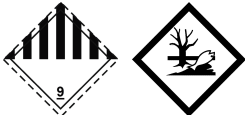
None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 3077

DOT number: UN3077

IATA-UN Number: 3077

IMDG-UN Number: 3077

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(HIGH MOLECULAR WEIGHT HINDERED AMINE LIGHT STABILIZER)

DOT-Shipping Name: Environmentally hazardous substance, solid, n.o.s(HIGH MOLECULAR WEIGHT HINDERED AMINE LIGHT STABILIZER)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(HIGH MOLECULAR WEIGHT HINDERED AMINE LIGHT STABILIZER)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(HIGH MOLECULAR WEIGHT HINDERED AMINE LIGHT STABILIZER)

Transport hazard class(es)

ADR-Class: 9

DOT Hazard Class: 9

ADR - Hazard identification number: 90

IATA-Class: 9

IATA-Label: 9

IMDG-Class: 9

Packing group

ADR-Packing Group: III

DOT Packing group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

ADR-Environmental Pollutant: Yes

IMDG-Marine pollutant: Marine Pollutant

DOT: This product is not classified as a Marine Pollutant under 49 CFR §171.8.

Most important toxic component: N,N,N,N-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethyl piperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10- diamine

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

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DOT Special provisions: 8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33
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-EmS: F-A , S-F
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A SW23
IMDG-Segregation: -

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances: Active

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

Yes

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

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Sections modified from the previous revision:

3. COMPOSITION/INFORMATION ON INGREDIENTS

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- 5. FIRE-FIGHTING MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- SECTION 14: Transport information
- 15. REGULATORY INFORMATION

Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet 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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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