

Safety Data Sheet

SABOSTAB® UV 65



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

Safety Data Sheet dated 3/8/2021, version 2

1. IDENTIFICATION

Product identifier

Identification of the substance

Trade name: SABOSTAB® UV 65
CAS number: 41556-26-7 , 82919-37-7
Other means of identification:
EC number: 915-687-0

Recommended use of the chemical and restrictions on use

Recommended use:

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

Antioxidant/stabilizer

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

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

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, Repr. 2, Suspected of damaging fertility.
- ⚠ Warning, Aquatic Acute 1, Very toxic to aquatic life.
- ⚠ Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms:

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Warning

Hazard statements:

- H317 May cause an allergic skin reaction.
- H361f Suspected of damaging fertility.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- 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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see ... On this label).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P405 Store locked up.
- 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:

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

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Identification of the substance

Chemical characterization: SABOSTAB® UV 65

Product type and use: Hindered Amine Light Stabilizer (HALS) for plastics and coatings

CAS number: 1065336-91-5

EC number: 915-687-0

>= 90% Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

CAS: 1065336-91-5, EC: 915-687-0

-  A.4.2/1A Skin Sens. 1A H317
-  A.7/2 Repr. 2 H361f
-  US-HAE/A1 Aquatic Acute 1 H400
-  US-HAE/C1 Aquatic Chronic 1 H410

Mixtures

N.A.

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

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.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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).

Treatment:

Treat according to symptoms(decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂).

Water.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

Carbon monoxide

Explosive properties: NO

Oxidizing properties: NO

Special protective equipment and precautions for fire-fighters

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

Keep containers cool with water spray.

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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

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

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

Advice on general occupational hygiene:

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Storage recommended at room temperature

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

room temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Appropriate engineering controls:

None

Individual protection measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Liquid, light yellow

Odour: N.A.

Odour threshold: N.A.

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Melting point / freezing point:	-57.8°C
Initial boiling point and boiling range:	> 300°C
Solid/gas flammability:	352°C
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	409 ° F
Evaporation rate:	N.A.
Vapour pressure:	0,000001 hPa
Relative density:	0.99 g/cm ³ (20°C)
Solubility in water:	< 0.01% a 20°C
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	2.37-2.77
Auto-ignition temperature:	N.A.
Decomposition temperature:	375°C
Viscosity:	478 mm ² /s
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

Conditions to avoid

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

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

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the substance:

SABOSTAB® UV 65 - CAS: 1065336-91-5

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 3000 mg/kg

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Test: Skin Corrosive - Route: Skin - Species: Rabbit Negative

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

Test: Eye Irritant - Route: Skin - Species: Rabbit Negative

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1A H317

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Positive

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- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
Test: Mutagenesis Negative
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
Test: Carcinogenicity Negative
- g) reproductive toxicity
The product is classified: Repr. 2 H361f
- 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

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

No.

Substance(s) listed on the IARC Monographs:

None.

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

No.

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

No.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

SABOSTAB® UV 65 - CAS: 1065336-91-5

The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.9 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 10 mg/l - Duration h: 24

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 1 mg/l - Notes: 21 days

c) Bacteria toxicity:

Endpoint: EC50 - Species: Activated Sludge Negative - Duration h: 72

Persistence and degradability

SABOSTAB® UV 65 - CAS: 1065336-91-5

Biodegradability: Partial degradable in water - Test: Biochemical oxygen demand - %: 38 -

Notes: 28 days -(OECD 301F; ISO 9408; 92/69/CEE, C.4-D)

Bioaccumulative potential

SABOSTAB® UV 65 - CAS: 1065336-91-5

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor

Mobility in soil

N.A.

Other adverse effects

None

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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: 3082
 DOT number: UN3082
 IATA-UN Number: 3082
 IMDG-UN Number: 3082

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Contains hindered amine derivative)
 DOT-Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(Contains hindered amine derivative)
 IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Contains hindered amine derivative)
 IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Contains hindered amine derivative)

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
 DOT-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Marine Pollutant
 Most important toxic component: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

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

N.A.

Special precautions

DOT Special provisions: 8, 146, 173, 335, IB3, T4, TP1, TP29
 ADR-Subsidiary hazards: -
 ADR-S.P.: 274 335 375 601
 ADR-Transport category (Tunnel restriction code): 3 (-)
 IATA-Passenger Aircraft: 964
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 964
 IATA-S.P.: A97 A158 A197
 IATA-ERG: 9L

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IMDG-EmS: F-A , S-F
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

This substance is not listed on the TSCA inventory.

TSCA listed substances:

41556-26-7 , 82919-37-7 listed as active substances

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: No.

Section 304 – Hazardous substances: No.

Section 313 – Toxic chemical list: No.

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:
None.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H317 May cause an allergic skin reaction.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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Sections modified from the previous revision:

1. IDENTIFICATION
2. HAZARD(S) IDENTIFICATION
3. COMPOSITION/INFORMATION ON INGREDIENTS
4. FIRST-AID MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
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.

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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