



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

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

1.1. Product identifier

Product name / Trade name

Dimerfettsäure, pflanzlich 950

Product form : Substance (UVCB)
 IUPAC name : Fatty acids, C18-unsatd., dimers
 EC no. : 500-148-0
 CAS No. : 61788-89-4
 REACH registration No : 01-2119493908-18

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

Main use category

Industrial use

Title

General overview of industrial
 uses of dimerized fatty acids
 consortium related substances

Life cycle stage

Industrial

Use descriptors

SU0, SU1, SU3, SU5, SU6b, SU8, SU9, SU10,
 SU11, SU12, SU17, SU18, SU19, SU23, PC19,
 PC20, PC21, PC36, PC37, PROC2, PROC3,
 PROC4, PROC5, PROC6, PROC7, PROC8a,
 PROC8b, PROC9, PROC10, PROC11,
 PROC12, PROC13, PROC14, PROC15,
 PROC16, PROC17, PROC19, PROC21,
 PROC24, ERC1, ERC2, ERC3, ERC4, ERC5,
 ERC6a, ERC6b, ERC6c, ERC6d, ERC7,
 ERC8a, ERC8b, ERC8c, ERC8d, ERC8f,
 ERC10a, ERC10b, ERC11a

Supplementary overview of
 industrial uses of non classified
 commercial fatty acids

Industrial

SU0, SU1, SU2a, SU2b, SU3, SU4, SU5,
 SU6a, SU6b, SU7, SU8, SU9,
 SU10, SU11, SU12, SU13, SU14, SU15, SU16,
 SU17, SU18, SU19, SU23, PC1, PC2, PC7,
 PC9a, PC9b, PC9c, PC11, PC13, PC14, PC16,
 PC17, PC18, PC19, PC20, PC21, PC23, PC24,
 PC25, PC26, PC29, PC30, PC32, PC33, PC34,
 PC35, PC37, PC39, PROC2, PROC3, PROC4,
 PROC5, PROC7, PROC8a, PROC8b, PROC9,
 PROC10, PROC13, PROC14, PROC15,
 PROC16, PROC17, PROC21, PROC25, ERC1,
 ERC2, ERC3, ERC4, ERC5, ERC6b, ERC6d,
 ERC8a, ERC8b, ERC8d, ERC8e, ERC10a,
 ERC10b, ERC11a, ERC11b

General overview of professional
 uses of dimerized fatty acids related
 substances

Professional

SU0, SU1, SU8, SU9, SU10, SU22, PC8,
 PC20, PC21, PC27, PC36, PC37, PROC2,
 PROC3, PROC4, PROC5, PROC6, PROC7,
 PROC8a, PROC8b, PROC9, PROC10,
 PROC11, PROC13, PROC14, PROC15,
 PROC16, PROC17, PROC19, PROC20,
 PROC21, ERC2, ERC4, ERC5, ERC7, ERC8a,
 ERC8b, ERC8c, ERC8d, ERC8e, ERC8f,
 ERC9a, ERC9b

General overview of consumer
 uses of dimerized fatty acids
 related substances

Consumer

SU21, PC1, PC3, PC4, PC8, PC9a, PC9b, uses
 PC9c, PC12, PC13, PC18, PC23, PC24, PC27,
 PC31, PC35, PC36, PC37, PC39, ERC2,
 ERC7, ERC8a, ERC8b, ERC8c, ERC8d,
 ERC8e, ERC8f, ERC9a, ERC9b, ERC11a



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Company**SysKem Chemie GmbH
Brucknerweg 26
D-42289 Wuppertal

Telephone +49 (0) 202/30999510

Telefax +49 (0) 202/87088403

E-mail address info@syskem.de

Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling (REGULATION (EC) No 1272/2008)**

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substances****Substance type** : UVCB

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty acids, C18-unsatd., dimers	(CAS No.) 61788-89-4 (EC no.) 500-148-0 (REACH-no) 01-2119493908-18	100	Not classified

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:

If you feel unwell, seek medical advice.

If inhaled:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

In case of skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

In case of eye contact:

Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

If swallowed:

Rinse mouth with water. Call Poison Information Centre. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

ON HEATING: Irritation of the respiratory tract.

Symptoms/effects

No supplementary information available.

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

No supplementary information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment.

Unsuitable extinguishing media

Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Fire hazard

DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard

DIRECT EXPLOSION HAZARD: Fine dust is explosive with air. INDIRECT EXPLOSION HAZARD: Dust cloud can be ignited by a spark.

Reactivity in case of fire

On burning: release of (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Other information

No supplementary information available.



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Mark the danger area. Exposure to heat: have neighbourhood close doors and windows.
Exposure to fire/heat: consider evacuation. Wash contaminated clothes.

For non-emergency personnel

Protective equipment

See "Material-Handling" to select protective clothing.

For emergency responders

Protective equipment

Use protective measures listed in Section 8.

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment

Knock down/dilute dust cloud with water spray.

Methods for cleaning up

Carefully collect the spill/leftovers. If melted: allow liquid to solidify before taking it up. Scoop solid spill into closing containers or into synthetic bags. Clean contaminated surfaces with an excess of water and soap solution.

Other information

No supplementary information available.

6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling temperature

≥ 10 °C above melting point

7.2. Conditions for safe storage, including any incompatibilities

Information on mixed storage

KEEP SUBSTANCE AWAY FROM: ignition sources. (strong) acids. (strong) bases.

Storage area

Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging

SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements.

Packaging materials

SUITABLE MATERIAL: steel with plastic inner lining. stainless steel. aluminium.

7.3. Specific end use(s)

No additional information available



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

No additional information available

8.2. Exposure controls**Personal protective equipment**

Gloves. Protective clothing. Safety glasses

Materials for protective clothing

GIVE GOOD RESISTANCE: nitrile rubber

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance (room temperature)	: Clear. Viscous.
Colour	: Light yellow to dark yellow.
Odour	: Characteristic odour. Mild odour.
Odour threshold	: No data available
pH	: < 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No supplementary information available
Freezing point	: < 20 °C
Boiling point	: > 250 °C
Flash point	: > 150 °C (ASTM D92)
Auto-ignition temperature	: > 300 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,01 hPa (20°C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 951,9 kg/m ³ (20°C) ca. 939,0 kg/m ³ (40°C) ca. 900,3 kg/m ³ (100°C)
Solubility	: Water: < 0,005 g/100ml (25°C)
Log Pow	: > 5 (est.)
Viscosity, dynamic	: ca. 8000 cP @25°C (7500-9000)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: < 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)
Other properties	: Poorly soluble in water. Soluble in oils/fats. soluble in most organic solvents.

SECTION 10: Stability and reactivity**10.1. Reactivity**

On burning: release of (carbon monoxide - carbon dioxide).

10.2. Chemical stability

Stable under normal conditions.



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Not classified.

LD50 oral rat > 2000 mg/kg Non-toxic

Skin corrosion/irritation

Not classified

pH: < 7

Serious eye damage/eye irritation

Not classified

pH: < 7

Respiratory or skin sensitisation

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT - single exposure

Not classified

STOT - repeated exposure

Not classified

Aspiration toxicity

Not classified



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

SECTION 12: Ecological information**12.1 Toxicity**

Ecology - general : According to literature: no environmental hazard.
Ecology - air : No supplementary information available.
Ecology - water : No bioaccumulation data available

12.2 Persistence and degradability

ThoD 2,9 g O2/g substance

12.3 Bioaccumulative potential

LogPow > 5 (est.)

12.4 Mobility in soil

Surface tension ca. 0,03 N/m (20°C)

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Disposal**

Prevent dispersion by covering with dry absorbent, Scoop solid spill into closing containers, Scoop absorbed substance into closing containers, Clean contaminated surfaces with an excess of water and soap solution, Wash clothing and equipment after handling

Regional legislation (waste)

No supplementary information available.

Ecology - waste materials

Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.

European List of Waste (LoW) code

No supplementary information available

SECTION 14: Transport information**14.1 UN number**

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good



Tradename: Dimerfettsäure, pflanzlich 950

Print Date: 15. February 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 14.03.2019

Region: EN

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No REACH Annex XVII restrictions
The Product is not on the REACH Candidate List
The Product is not on the REACH Annex XIV List

VOC content

< 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)

National regulations**Chemical inventories**

Compliant with AICS, DSL, ECST, ENCS, IECSC, KECL, NZIoC, PICCS, TECL, TSCA, EC inventories
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on ECST (Existing Chemical Substances Inventory of Taiwan)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on ELINCS (European List of Notified Chemical Substances)

Reference to AwSV

Water hazard class (WGK) 1, low hazard to waters

12th Ordinance Implementing the Federal Immission Control Act – 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical Safety Assessment

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

SECTION 16: Other information**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.