

Agrocer Red 112

Page 1(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

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

1.1. Product identifier

Trade name

Agrocer Red 112

Material number: 290909

Chemical nature: C.I. Pigment Red 112

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

Relevant identified uses of the substance or mixture

Industry sector : Industrial Performance Chemicals
Paints, lacquers and varnishes industry
Polymers industry
Printing Inks Industry
Type of use : Agricultural Industry

1.3. Details of the supplier of the safety data sheet

Identification of the company

Heubach Colorants Germany GmbH
Brüningstraße 50
65929 Frankfurt am Main
Telephone no. : +49 69 305 13619

Information about the substance/mixture

Product Stewardship
e-mail: SDS.PI.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains 3-hydroxy-2'-methyl-2-naphthanilide. May produce an allergic reaction.

Agrocer Red 112

Page 2(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Dust can form an explosive mixture in air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
3-hydroxy-2'-methyl-2-naphthanilide	135-61-5 205-205-0 01-2119473801-38-0000	Skin Sens. 1A; H317 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Aquatic Chronic 2; H411 specific concentration limit Skin Sens. 1A; H317 > 1 %	>= 0,25 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Get medical advice/ attention if you feel unwell.

If inhaled : Move the victim to fresh air.
If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.

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

If swallowed : If swallowed, seek medical advice immediately and show this

Agrocer Red 112

Page 3(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

container or label.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet
Foam

Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
Dry powder

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Nitrogen oxides (NO_x)
Hydrogen chloride

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Wear suitable protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Avoid dust formation.
Take measures to prevent the build up of electrostatic charge.
Use mechanical handling equipment.

Agrocer Red 112

Page 4(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : not required under normal use
Avoid dust formation.

- Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Dust can form an explosive mixture in air.

- Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

- Dust explosion class : St2

7.2 Conditions for safe storage, including any incompatibilities

- Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.

7.3 Specific end use(s)

- Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
C.I. Pigment Red 112 CAS-No.: 6535-46-2	Workers	Dermal	Long-term systemic effects	42 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	49 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	3 mg/m3
	Remarks:DNEL			
	General population	Dermal	Long-term systemic effects	25 mg/kg bw/day

Agrocer Red 112

Page 5(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

	Remarks:DNEL			
	General population	Oral	Long-term systemic effects	25 mg/kg bw/day
	Remarks:DNEL			

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection

Remarks : Nitrile rubber Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Wear suitable protective equipment.

Respiratory protection : Respirator must be worn if exposed to dust.

Protective measures : Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : powder

Colour : red

Odour : not significant

Odour Threshold : not required

Melting point : not determined

Boiling point : Not applicable

Flammability : Not classified as a flammability hazard

Upper explosion limit / upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : 280 - 290 °C
Heating rate: 3 K/min

Agrocer Red 112

Page 6(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Decomposition energy (mass): 200 kJ/kg
Method: DSC
closed cup
Exothermic reaction

The substance or mixture is not classified self-reactive.

pH	:	5 - 8 (20 °C)
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Solubility(ies)		
Water solubility	:	0,0044 mg/l
Partition coefficient: n-octanol/water	:	not determined
Vapour pressure	:	Not applicable
Relative density	:	no data available
Density	:	1,48 g/cm ³ (20 °C)
Bulk density	:	200 kg/m ³
Relative vapour density	:	Not applicable
Particle characteristics		
Particle size	:	4 µm Method: ISO 13320-1

9.2 Other information

Explosives	:	Not explosive
Oxidizing properties	:	no data available
Flammable solids		
Burning number	:	2 (20 °C) Method: VDI 2263-1 Short flaring up without spreading
Self-ignition	:	270 °C Method: VDI 2263 (Grewer) Data corresponds to that of the active component The sample was mixed 1:1 with diatomaceous earth.
Metal corrosion rate	:	Not applicable
Dust deflagration index (Kst)	:	209 m.b_/s

Agrocer Red 112

Page 7(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Method: DIN EN 14034

Dust explosion class	:	St2
Evaporation rate	:	Not applicable
Minimum ignition energy	:	10 - 30 mJ Method: DIN EN 13821 with inductive electrical resistance
Molecular weight	:	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous reactions : None known. Stable

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Product:

Acute oral toxicity : Remarks: no data available

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Acute oral toxicity : LD0 (Rat, female): > 5.000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Agrocer Red 112

Page 8(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Remarks: No significant adverse effects were reported

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Remarks : no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Species : Rabbit
Exposure time : 4 h
Method : Directive 67/548/EEC, Annex V, B.4.
Result : No skin irritation
GLP : yes

Serious eye damage/eye irritation

Product:

Remarks : no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Species : Rabbit
Exposure time : 24 h
Method : Regulation (EC) No. 440/2008, Annex, B.5
Result : No eye irritation
GLP : yes

Respiratory or skin sensitisation

Product:

Remarks : no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Test Type : Local lymph node assay (LLNA)
Exposure routes : Dermal
Species : Mouse
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1A.
GLP : yes

Assessment : May cause sensitisation by skin contact.

Agrocer Red 112

Page 9(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-
Assessment : No information available.

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Concentration: 4 - 10000 µg/plate
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Germ cell mutagenicity-
Assessment : In vitro tests did not show mutagenic effects

Carcinogenicity

Product:

Carcinogenicity -
Assessment : No information available.

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Carcinogenicity -
Assessment : No information available.

Reproductive toxicity

Product:

Reproductive toxicity -
Assessment : No information available.

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Reproductive toxicity -
Assessment : No information available.

STOT - single exposure

Product:

Remarks : no data available

Agrocer Red 112

Page 10(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Product:

Remarks : no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : This information is not available.

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Remarks : no data available

Aspiration toxicity

Product:

no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Agrocer Red 112

Page 11(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

SECTION 12: Ecological information

12.1 Toxicity

Product:

- Toxicity to fish : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available
- Toxicity to algae/aquatic plants : Remarks: no data available
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to microorganisms : Remarks: no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1,33 - 3,25 mg/l
End point: mortality
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes
Remarks: No toxicity at the limit of solubility
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0,108 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: No toxicity at the limit of solubility
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 0,711 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: No toxicity at the limit of solubility
- Toxicity to microorganisms : EC50 (activated sludge): > 1.000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h

Agrocer Red 112

Page 12(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

Test Type: aquatic
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes

Toxicity to fish (Chronic toxicity) : Remarks: not required

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 32,3 mg/l
Result: Not readily biodegradable.
Biodegradation: 12 %
Related to: Carbon dioxide (CO₂)
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Partition coefficient: n-octanol/water : log Pow: 2,55 (23 °C)
pH: 7
Method: OECD Test Guideline 107

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

Agrocer Red 112

Page 13(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Environmental fate and pathways : no data available

Additional ecological information : no data available

Components:

3-hydroxy-2'-methyl-2-naphthanilide:

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging : This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

Agrocer Red 112

Page 14(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	: Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of H-Statements

H317	: May cause an allergic skin reaction.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic	: Long-term (chronic) aquatic hazard
Skin Sens.	: Skin sensitisation

Agrocer Red 112

Page 15(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : Observe national and local legal requirements

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SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



Agrocer Red 112

Page 16(16)

Substance key: 000000612015

Revision Date: 14.11.2022

Version : 2 - 2 / EU

Date of printing : 10.12.2022

REG_EU / EN