

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.01.2022

Version number 7 (replaces version 6)

Revision: 25.01.2022

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

#### 1.1 Product identifier

**Trade name:** Demeril Orange

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

No further relevant information available.

**Application of the substance / the mixture** Adjuvant

#### 1.3 Details of the supplier of the safety data sheet

**Supplier:**

Cheminova Deutschland GmbH &amp; Co. KG

FMC Agricultural Solutions

Stader Elbstraße 26

21683 Stade

Germany

Tel: +49 (0) 4141 9204 0

Fax: +49 (0) 4141 9204 210

datenblatt@fmc.com

www.fmcagro.de

**Further information obtainable from:**

Cheminova Deutschland GmbH &amp; Co. KG

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#### 1.4 Emergency telephone number:

Cases of intoxication:

+49 (0) 551 19240 (GIZ-Nord Poisons Centre, Göttingen, Germany, 24 h) "Member of EPECS Network"

Hazardous substance/dangerous goods incidents (e.g. spills, leaks, fire, exposure or accident):

0800 181 7059 (CHEMTREC Germany, toll-free, 24 h)

+49 (0) 69 643 508 409 (CHEMTREC from outside Germany, 24 h)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.01.2022

Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 1)

### 2.3 Other hazards

Avoid any inhalation of the dust with adequate measures (good ventilation or respiratory mask);  
Pneumoconiosis a silicosis-like respiratory disorder (pulmonary talcosis) might occur.

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description:

Pigment powder for seed treatment of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 14807-96-6 EINECS: 238-877-9	Talc ( $Mg_3H_2(SiO_3)_4$ ) substance with a Community workplace exposure limit	< 80%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	< 15%
CAS: 12001-26-2 EC number: 310-127-6	Mica substance with a Community workplace exposure limit	< 10%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Immediately remove any clothing soiled by the product.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### After skin contact:

Clean with water and soap.

If skin irritation continues, consult a doctor.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If contact lenses are worn, remove after 5 minutes of rinsing, then continue rinsing.

#### After swallowing:

Rinse mouth with plenty of water; do not swallow.

Do not induce vomiting. Call for medical help and show this material safety data sheet.

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

No further relevant information available.

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

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

Use carbon dioxide ( $CO_2$ ) or dry chemical powder for small fires.

Water spray or foam for large fires.

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

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Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 2)

**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture***In case of fire, the following can be released:**Carbon monoxide (CO)**Carbon dioxide (CO<sub>2</sub>)**Nitrogen oxides (NO<sub>x</sub>)**Hydrogen chloride (HCl)**Under certain fire conditions, traces of other toxic gases cannot be excluded.***5.3 Advice for firefighters****Protective equipment:***Wear self-contained respiratory protective device.**Wear fully protective suit.***Additional information***Do not inhale explosion gases or combustion gases.**Cool endangered receptacles with water spray.**Use water spray to knock down fire fumes if possible.**Collect contaminated fire fighting water separately. It must not enter the sewage system.**Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.***SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures***Wear protective equipment. Keep unprotected persons away.**Ensure adequate ventilation**Avoid formation of dust.**Avoid electrostatic discharges (spark formation) due to possible combustible dust explosion.***6.2 Environmental precautions:** *Do not discharge into sewer, surface water or groundwater.***6.3 Methods and material for containment and cleaning up:***Pick up mechanically.**Disposal had to be accomplished in suitable receptacles.**If possible clean area with detergent and much water. Absorb wash liquid with absorbent and transfer to suitable containers for disposal.***6.4 Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.***SECTION 7: Handling and storage****7.1 Precautions for safe handling***Ensure good ventilation/exhaustion at the workplace.**Wear personal protection equipment.**Prevent formation of dust.**Wash hands before breaks and at the end of work.**Do not eat, drink or smoke in work areas.**Remove contaminated clothing and protective equipment before entering eating areas.*

(Contd. on page 4)

**Trade name: Demeril Orange**

(Contd. of page 3)

**Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Information about storage in one common storage facility:**

Do not store together with foodstuffs, beverages and feed.

Do not store with strong oxidising agents.

Additionally the restriction for joint storage must be observed (according to TRGS 510).

**Further information about storage conditions:**

Protect from humidity and water.

Keep out of reach for children.

**Recommended storage temperature:** Store between 0 °C and 35 °C.

**Storage class:** 11 (TRGS 510): Combustible solids

**7.3 Specific end use(s)**

Use only in accordance with the instruction manual.

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**14807-96-6 Talc ( $Mg_3H_2(SiO_3)_4$ )**

WEL Long-term value: 1 mg/m<sup>3</sup>

**13463-67-7 titanium dioxide**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

**12001-26-2 Mica**

WEL Long-term value: 10\* 0.8\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see item 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Ensure good ventilation at the workplace.

Do not breathe dust.

The statements on personal protective equipment in the instructions for use apply when handling the product.

**Respiratory protection:**

If the exposure limit is exceeded and in case of accidental release of the substance:

Wear appropriate respiratory protective equipment if ventilation is inadequate. Respiratory

(Contd. on page 5)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.01.2022

Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 4)

protection should only be used to control the residual risk during short-term activities if all technically feasible measures to reduce the hazard at the source have been observed, e.g. by restraint and/or local exhaust ventilation.



Respiratory single serving mask DIN EN 149 with filter FFP2

### Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.



Protective gloves (EN 374, EN 388, EN 420)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Choose chemical resistant gloves.

Recommend are gloves made of:

Nitrile, recommended thickness of the material:  $\geq 0.11$  mm

### Penetration time of glove material

Penetration time 480 minutes (Permeation according to EN 374 Part 3: Level 6) e.g. for Dermatrill®  
If other glove materials or protective gloves of other manufacturers are used, than the exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### Eye/face protection



Tightly sealed goggles (EN 166)

### Body protection:



Use suitable protective work clothing. Protective suit against pesticides (DIN 32781) is recommended when handling the product.



Sturdy shoes, e.g. rubber boots (EN 20345)

EN

(Contd. on page 6)

## Safety data sheet

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Printing date 25.01.2022

Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 5)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Solid
<b>Colour:</b>	Orange
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	Not applicable.
<b>Flammability</b>	Not determined.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>Dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>water:</b>	Dispersible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Bulk density:</b>	250-400 kg/m <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Particle characteristics</b>	See item 3.

#### 9.2 Other information

##### Appearance:

**Form:** Powder

##### Important information on protection of health and environment, and on safety.

**Explosive properties:** Product is not explosive, but the formation of explosive dust air mixtures are possible.

##### Change in condition

**Softening point/range**
**Oxidising properties**

No oxidising properties

**Evaporation rate**

Not applicable.

##### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void

(Contd. on page 7)



## Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 6)

<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

**10.1 Reactivity** Stable under normal conditions of use.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust may causes risk of dust explosion.

**10.4 Conditions to avoid** Formation of dust

**10.5 Incompatible materials:** Strong oxidants.

**10.6 Hazardous decomposition products:**

No hazardous decomposition products if stored and used according to specifications.

See Section 5 for information about hazardous decomposition products in case of fire.

### SECTION 11: Toxicological information

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

The toxicity of this product was not tested. The toxicity of the product was evaluated based on the toxicity of the ingredients.

**Acute toxicity** Based on available data, the classification criteria are not met.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Additional toxicological information:**

**Acute effects (acute toxicity, irritation and corrosivity)**

Eye irritation may occur due to the mechanical effect of dust.

**Repeated dose toxicity**

The inhalation of dusts may cause pneumoconiosis, a silicosis-like respiratory disorder (pulmonary talcosis).

(Contd. on page 8)

## Safety data sheet according to 1907/2006/EC, Article 31

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Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 7)

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

The toxicity of this product was not tested. The aquatic toxicity of the product was evaluated based on the toxicity of the ingredients.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

### 12.7 Other adverse effects

**Remark:** If used as recommended no inadequate risks to the environment are expected.

### Additional ecological information:

#### General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

#### Recommendation:

Do not reuse packing for other products.

Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, ADN, IMDG

Void

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

(Contd. on page 9)



## Safety data sheet according to 1907/2006/EC, Article 31

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Version number 7 (replaces version 6)

Revision: 25.01.2022

**Trade name: Demeril Orange**

(Contd. of page 8)

**14.3 Transport hazard class(es)**
**ADR, ADN, IMDG, IATA  
Class**

Void

**14.4 Packing group**
**ADR, IMDG, IATA**

Void

**14.5 Environmental hazards:**
**Marine pollutant:**

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to  
IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Void

### SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Directive 2012/18/EU**
**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**National regulations:**
**Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.

**Other regulations, limitations and prohibitive regulations**

Avoid any unnecessary contact with the product.

Any misuse may cause health problems.

The product is not covered by Annex 2 of the German Chemikalienverbotsverordnung (ChemVerbotsV).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This material safety data sheet was created in accordance with the Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

(Contd. on page 10)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

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Version number 7 (replaces version 6)

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(Contd. of page 9)

**Department issuing SDS:** Regulatory Affairs**Contact:**

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**Date of previous version:** 15.03.2021**Version number of previous version:** 6**Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**

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