

## MATERIAL SAFETY DATASHEET

According to regulation (EC) No. 1907/2006

Revision Date: 18.09.2018

---

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

#### 1.1 Product identifiers

Product name: BIS-(2,5-DIOXO-PYRROLIDIN-1-YL)SUBERATE  
Brand: CF Plus Chemicals  
CAS-No.: 68528-80-3  
Cat. No.: PCL002

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

Identified uses: Laboratory chemicals, Manufacture of substances

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

Company: CF Plus Chemicals, s.r.o.  
Karásek 1767/1  
621 00 Brno – Řečkovice  
Czech Republic  
Telephone: +420 606 117 375  
E-mail address: [info@cfplus.cz](mailto:info@cfplus.cz)

#### 1.4 Emergency telephone number

Emergency phone: +420 228 880 039 (CHEMTREC)  
+420 224 919 293 / +420 224 915 402  
(Toxicological Information Centre)

---

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008

Not a hazardous substances or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards

None

---

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms: Di(N-succinimidyl)Suberate

	Disuccinimidyl suberate
	DSS
	Disuccinimidyl octanedioate
Formula:	$C_{16}H_{20}N_2O_8$
Molecular weight:	368.34 g/mol
CAS-No.:	68528-80-3

---

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### **In case of skin contact**

Wash off with soap and plenty of water.

#### **In case of eye contact**

Flush eyes with water as a precaution.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

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

No data available.

---

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon dioxide, nitrogen oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

No data available

---

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipments and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Sweep and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

---

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 – 8 °C

### **7.3 Specific end uses**

No data available

---

## **SECTION 8: Exposure controls/personal protections**

### **8.1 Control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure control**

#### **Appropriate engineering controls**

General industrial hygiene practice.

#### **Personal protective equipment**

##### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### **Body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Control of environmental exposure**

Do not let product enter drains.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: powder Colour: no data available
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/Freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	Insoluble
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

### 9.2 Other safety information

Surface tension	No data available
Relative vapour density	No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Other decomposition products – No data available.

---

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

No data available.

#### **Skin corrosion/irritation**

No data available.

#### **Serious eye damage/eye irritation**

No data available.

#### **Respiratory or skin sensitisation**

No data available.

#### **Germ cell mutagenity**

No data available.

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive toxicity**

No data available.

#### **Specific target organ toxicity – single exposure**

No data available.

#### **Specific target organ toxicity – repeated exposure**

No data available.

#### **Aspiration hazard**

No data available.

#### **Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

#### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Additional Information**

RTECS: No data available.

---

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available.

### **12.2 Persistence and degradability**

No data available.

### **12.3 Bioaccumulative potential**

No data available.

### **12.4 Mobility in soil**

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

---

## SECTION 14: Transport information

### 14.1 UN Number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: no

IMDG: Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available.

---

## SECTION 15: Regulatory information

This MSDS complies with the requirements of the Regulation (EC) No. 1907/2006.

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

No data available.

### 15.2 Chemical safety assessment

No data available.

---

## SECTION 16: Other information

### FUTHER INFORMATION

Copyright 2018 CF Plus Chemicals. The users of this product are entitled to print unlimited number of copies of this material safety data sheet. It is believed that the above mentioned information is correct and represents the best information for us. It does however not mean

that the above mentioned information is complete and therefore it should be used as a general guide. CF Plus Chemicals s.r.o. will not be held liable for any damage resulting from the use, handling or contact with the product according to the General terms and sale conditions of the company CF Plus Chemicals s.r.o. (<http://www.cfplus.cz/terms>). This product is intended solely for research and development purposes.