

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

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

#### 1.1 Product identifier

Trade name : Baumkraft® Fluid 6-5-11

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

Use of the Substance/Mixture : Fertilizer

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

Company : COMPO EXPERT GmbH  
Krögerweg 10  
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person responsible for the SDS : info@compo-expert.com

#### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h  
Telephone: +49 (0) 6132 - 84463

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

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

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Supplemental Hazard Statements : EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Liquid mixture of organic and inorganic salts of fertilizers.

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Potassium formate	590-29-4  209-677-9		>= 5 - <= 10

For explanation of abbreviations see section 16.

---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes  
and consult a physician.  
If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
Obtain medical attention.

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

Symptoms : No information available.

#### 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 : The product is not flammable.  
Water  
Carbon dioxide (CO<sub>2</sub>)

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Baumkraft® Fluid 6-5-11



Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

Dry powder  
Sand

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

Specific hazards during firefighting : Heating or fire can release toxic gas.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation. In case of involuntary exposition of the product contact producer or supplier.

### 6.2 Environmental precautions

Environmental precautions : Do not empty into drains. Do not contaminate surface water.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Keep away from heat. Keep away from direct sunlight.

Advice on protection against fire and explosion : No special precautions required.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing. Wash hands before

## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

breaks and at the end of workday.

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

- Requirements for storage areas and containers : Keep away from heat. Keep away from direct sunlight.
- Further information on storage conditions : Requirements for storage areas and containers polyethylene containers Stainless steel
- Recommended storage temperature : 5 - 35 °C

### 7.3 Specific end use(s)

- Specific use(s) : Always read the label and product information before use.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses

Hand protection

Material : Polyvinyl alcohol or nitrile- butyl-rubber gloves

Glove length :

Chloroprene

Remarks : For prolonged or repeated contact use protective gloves.

Skin and body protection : Protective suit

Respiratory protection : Breathing apparatus needed only when aerosol or mist is

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

formed.

Protective measures : Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

General advice : Do not empty into drains.  
Do not contaminate surface water.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : coloured

Odour : characteristic

Odour Threshold : No data available

pH : ca. 7,1, (20 °C)

Melting point/range : ca. 0 °C

Boiling point/boiling range : ca. 100 °C

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : Not applicable

Lower explosion limit : Not applicable

Vapour pressure : No data available

Relative vapour density : No data available

Density : ca. 1,21 g/cm<sup>3</sup> (20 °C)

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No decomposition if stored and applied as directed.
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

### 9.2 Other information

Surface tension : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Method: No data available

### 10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.  
Keep away from heat and sources of ignition.  
Protect from contamination.

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents  
Metals  
Nitrites

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Baumkraft® Fluid 6-5-11



Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

### 10.6 Hazardous decomposition products

Hazardous decomposition products : ammonia

---

## SECTION 11: Toxicological information

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

#### Acute toxicity

**Product:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

#### Skin corrosion/irritation

**Product:**

Remarks: The working solutions are not irritating to skin.

#### Serious eye damage/eye irritation

**Product:**

Remarks: Contact with eyes may cause irritation.

#### Respiratory or skin sensitisation

**Product:**

Remarks: None known.

#### germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: Contains no hazardous ingredients according to GHS

#### Carcinogenicity

**Product:**

Remarks: Contains no ingredient listed as a carcinogen

#### Reproductive toxicity

**Product:**

Effects on fertility :  
Remarks: No toxicity to reproduction

Effects on foetal : Remarks: Contains no ingredient listed as toxic to

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Baumkraft® Fluid 6-5-11



Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

development

reproduction

### STOT - single exposure

**Product:**

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

### STOT - repeated exposure

**Product:**

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

### Aspiration hazard

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available

### Further information

No data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: Inherently biodegradable.

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

---



# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Remarks: Not applicable

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

**Product:**

Additional ecological information : See information supplied by the manufacturer.  
Do not flush into surface water or sanitary sewer system.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of with domestic refuse.  
Do not flush into surface water or sanitary sewer system.  
Check if agriculture use is possible.

Contaminated packaging : Dispose of as unused product.  
If recycling is not practicable, dispose of in compliance with local regulations.

---

## SECTION 14: Transport information

### 14.1 UN number or ID 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

### 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 Maritime transport in bulk according to IMO instruments

Remarks : Not relevant

## Baumkraft® Fluid 6-5-11

Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : contains Boric acid

Other regulations : This product is subject to Regulation (EU) 2019/1148; suspicious transactions, disappearance or theft of the product must be reported to the relevant authority.

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

---

### SECTION 16: Other information

#### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; 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; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; 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; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Baumkraft® Fluid 6-5-11



Version: 2.8  
Date of last issue: 23.12.2022  
Date of first issue: 24.03.2016

Revision Date:  
06.04.2023

---

Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

### 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.

DE / EN