

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 6.9

Revision Date 30.12.2023

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

### 1.1 Product identifiers

Product name : Buchwald Palladacycle Precatalyst Kit

Product Number : 741868

Brand : Aldrich

REACH No. : This product is a mixture. REACH Registration Number see section 3.

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

Identified uses : Laboratory chemicals, Manufacture of substances

Uses advised against : For R&D use only. Not for pharmaceutical, household or other uses.

### 1.3

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### 1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

|                                   |  |
|-----------------------------------|--|
| Skin corrosion, (Sub-category 1B) | H314: Causes severe skin burns and eye damage. |
| Serious eye damage, (Category 1)  | H318: Causes serious eye damage.               |

|  |  |
|--|--|
| Carcinogenicity, (Category 2)  | H351: Suspected of causing cancer.                       |
| Specific target organ toxicity - single exposure, (Category 3), Respiratory system | H335: May cause respiratory irritation.                  |
| Long-term (chronic) aquatic hazard, (Category 3)                                   | H412: Harmful to aquatic life with long lasting effects. |

## 2.2 Label elements

### Labelling according Regulation (EC) No 1272/2008

#### Pictogram

|                                |  |
|--------------------------------|--|
| Signal Word                    | Danger   |
| Hazard Statements              |  |
| H314                           | Causes severe skin burns and eye damage.   |
| H335                           | May cause respiratory irritation.  |
| H351                           | Suspected of causing cancer.   |
| H412                           | Harmful to aquatic life with long lasting effects.   |
| Precautionary Statements       |  |
| P202                           | Do not handle until all safety precautions have been read and understood.  |
| P273                           | Avoid release to the environment.  |
| P280                           | Wear protective gloves/ protective clothing/ eye protection/ face protection.  |
| P303 + P361 + P353             | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304 + P340 + P310             | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.             |
| P305 + P351 + P338             | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Supplemental Hazard Statements | none   |

### Reduced Labeling (<= 125 ml)

#### Pictogram

|                          |   |
|--------------------------|---|
| Signal Word              | Danger  |
| Hazard Statements        |   |
| H351                     | Suspected of causing cancer.  |
| H314                     | Causes severe skin burns and eye damage.                                  |
| H412                     | Harmful to aquatic life with long lasting effects.                        |
| Precautionary Statements |   |
| P202                     | Do not handle until all safety precautions have been read and understood. |

|                                |  |
|--------------------------------|--|
| P280                           | Wear protective gloves/ protective clothing/ eye protection/ face protection.  |
| P303 + P361 + P353             | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304 + P340 + P310             | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.             |
| P305 + P351 + P338             | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Supplemental Hazard Statements | none   |

### 2.3 Other hazards - none

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## SECTION 3: Composition/information on ingredients

Refer to component SDS

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## SECTION 4: First aid measures

Refer to component SDS

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## SECTION 5: Firefighting measures

Refer to component SDS

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## SECTION 6: Accidental release measures

Refer to component SDS

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

#### Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.  
For precautions see section 2.2.

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

#### Storage conditions

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

Handle and store under inert gas. Air sensitive.

#### Storage class

Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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

Refer to component SDS

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## **SECTION 9: Physical and chemical properties**

Refer to component SDS

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## **SECTION 10: Stability and reactivity**

Refer to component SDS

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## **SECTION 11: Toxicological information**

Refer to component SDS

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## **SECTION 12: Ecological information**

Refer to component SDS

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## **SECTION 13: Disposal considerations**

Refer to component SDS

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## **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

**Further information**

Not classified as dangerous in the meaning of transport regulations.

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Refer to component SDS

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

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**SECTION 16: Other information****Kit Components:**

|  |         |        |   |
|--|---------|--------|---|
| SPhos Pd G1, Methyl t-Butyl Ether Adduct     | Aldrich | 704946 | Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335                          |
| XPhos Pd G1                                  | Aldrich | 704954 | Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 3; H315, H319, H335, H412 |
| RuPhos Pd G1, Methyl t-Butyl Ether Adduct    | Aldrich | 707589 | Skin Corr. 1B; STOT SE 3; H314, H335  |
| tBuXPhos Pd G1                               | Aldrich | 708739 | Skin Irrit. 2; Eye Irrit. 2; Carc. 2; STOT SE 3; H315, H319, H335, H351           |
| BrettPhos Pd G1, Methyl t-Butyl Ether Adduct | Aldrich | 718750 | Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335                          |

## Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Classification of the mixture

|                  |      |
|------------------|------|
| Skin Corr.1B     | H314 |
| Eye Dam.1        | H318 |
| Carc.2           | H351 |
| STOT SE3         | H335 |
| Aquatic Chronic3 | H412 |

### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

## Further information

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## Kit Components:

| <b>SPhos Pd G1, Methyl t-Butyl Ether Adduct</b> |           |             |  |  |                          |
|---|-----------|-------------|--|--|--------------------------|
| Product identifier                              | Pictogram | Signal Word | Hazard Statements  | Precautionary Statements   | Supplemental information |
| Aldrich - 704946                                |           | Warning     | Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation. | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.<br>IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. |                          |

| <b>XPhos Pd G1</b> |           |             |  |  |                          |
|--------------------|-----------|-------------|--|--|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements  | Precautionary Statements   | Supplemental information |
| Aldrich - 704954   |           | Warning     | Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation.<br>Harmful to aquatic life with | Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously |                          |



|  |  |  |                       |   |  |
|--|--|--|-----------------------|---|--|
|  |  |  | long lasting effects. | with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. |  |
|--|--|--|-----------------------|---|--|

| RuPhos Pd G1, Methyl <i>t</i> -Butyl Ether Adduct |           |             |  |   |                          |
|---|-----------|-------------|--|---|--------------------------|
| Product identifier                                | Pictogram | Signal Word | Hazard Statements  | Precautionary Statements  | Supplemental information |
| Aldrich - 707589                                  |           | Danger      | Causes severe skin burns and eye damage. May cause respiratory irritation. | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Store in a well-ventilated place. Keep container tightly closed. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact |                          |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  | lenses, if present and easy to do. Continue rinsing. |  |
|--|--|--|--|--|--|

***t*BuXPhos Pd G1**

| Product identifier | Pictogram | Signal Word | Hazard Statements  | Precautionary Statements   | Supplemental information |
|--------------------|-----------|-------------|--|--|--------------------------|
| Aldrich - 708739   |           | Warning     | Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation.<br>Suspected of causing cancer. | Do not handle until all safety precautions have been read and understood.<br>IF ON SKIN: Wash with plenty of water. Avoid breathing dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash skin thoroughly after handling. IF exposed or concerned: Get medical advice/attention. |                          |

**BrettPhos Pd G1, Methyl *t*-Butyl Ether Adduct**

| Product identifier | Pictogram | Signal Word | Hazard Statements  | Precautionary Statements   | Supplemental information |
|--------------------|-----------|-------------|--|--|--------------------------|
| Aldrich - 718750   |           | Warning     | Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation. | Avoid breathing dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |                          |

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