

**SAFETY DATA SHEET**

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

**CYGNET BIOBLEND II WSP**

Version 1.1

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**SECTION 1. IDENTIFICATION**

Product name : CYGNET BIOBLEND II WSP

**Manufacturer or supplier's details**Company : Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA  
30004  
United States of America (USA)

E-mail address : sds@lonza.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD-WIDE: +1-703-527-3887.**Recommended use of the chemical and restrictions on use**Recommended use : Water treatment chemical

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

**GHS label elements**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

**Other hazards**None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**No hazardous ingredients

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**SECTION 4. FIRST AID MEASURES**If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.In case of skin contact : Wash with water and soap as a precaution.  
If on clothes, remove clothes.  
In the case of skin irritation or allergic reactions see a physician.

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| In case of eye contact                                      | : | Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed  | : | Clean mouth with water and drink afterwards plenty of water.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.                    |
| Most important symptoms and effects, both acute and delayed | : | No information available.   |
| Notes to physician  | : | Treat symptomatically.  |
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### SECTION 5. FIREFIGHTING MEASURES

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|---|---|---|
| Suitable extinguishing media                  | : | Water<br><br>Water spray<br>Alcohol-resistant foam<br>Dry chemical  |
| Specific hazards during firefighting          | : | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.<br>Heating or fire can release toxic gas. |
| Further information                           | : | Use water spray to cool unopened containers.  |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.  |
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Avoid dust formation.<br>Stop source of spill as soon as possible and notify appropriate personnel.<br>Utilize emergency response personal protection equipment prior to the start of any response.<br>Evacuate all non-essential personnel.<br>Dispose of spill residues per guidelines under Section 13, Disposal Consideration. |
| Environmental precautions   | : | Try to prevent the material from entering drains or water courses.<br><br>Try to prevent the material from entering drains or water courses.   |
| Methods and materials for containment and cleaning up               | : | Pick up and arrange disposal without creating dust.<br>Shovel into suitable container for disposal.  |

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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Take precautionary measures against static discharges.
- Advice on safe handling : Do not take internally. Avoid contact with skin, eyes and clothing by wearing proper protective equipment. Upon contact with skin or eyes, wash off with water.  
  
No special precautions required.
- Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.  
Do not store in direct sunlight  
  
Keep container tightly closed.  
Keep in a well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.  
To maintain product quality, do not store in heat or direct sunlight.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."  
  
No special restrictions on storage with other products.
- Further information on storage stability : Keep in a dry place.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.  
Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).  
Use only appropriately classified electrical equipment and powered industrial trucks.

#### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

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|                          |   |   |
|--------------------------|---|---|
| Remarks                  | : | Impervious gloves<br>Wear protective gloves. Break through time : > 480 min   |
| Eye protection           | : | Use safety glasses with side shields.<br>Safety glasses   |
| Skin and body protection | : | Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Hygiene measures         | : | Handle in accordance with good industrial hygiene and safety practice.  |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                              |   |  |
|------------------------------|---|--|
| Appearance                   | : | powder   |
| Colour                       | : | no data available  |
| Odour                        | : | no data available  |
| Odour Threshold              | : | no data available  |
| pH                           | : | 6.5 - 8.5  |
| Melting point/freezing point | : | no data available  |
| Boiling point/boiling range  | : | Not applicable   |
| Flash point                  | : | Not applicable   |
| Evaporation rate             | : | no data available  |
| Flammability (solid, gas)    | : | Product is not known to be flammable, combustible or pyrophoric. |
| Flammability (liquids)       | : | no data available  |
| Self-ignition                | : | no data available  |
| Upper explosion limit        | : | no data available  |
| Lower explosion limit        | : | no data available  |
| Vapour pressure              | : | no data available  |
| Relative vapour density      | : | no data available  |
| Relative density             | : | no data available  |
| Density                      | : | no data available  |
| Bulk density                 | : | 660 - 770 kg/m <sup>3</sup>                                      |
| Water solubility             | : | soluble  |

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|  |   |                   |
|--|---|-------------------|
| Partition coefficient: n-octanol/water | : | no data available |
| Auto-ignition temperature              | : | no data available |
| Decomposition temperature              | : | no data available |
| Viscosity, dynamic                     | : | no data available |
| Viscosity, kinematic                   | : | no data available |
| Explosive properties                   | : | no data available |
| Oxidizing properties                   | : | no data available |
| Minimum ignition energy                | : | no data available |

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### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | No decomposition if stored and applied as directed.   |
| Chemical stability                 | : | Stable under recommended storage conditions.  |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions.<br>Product will not undergo hazardous polymerization.<br>Stable under recommended storage conditions.<br>No hazards to be specially mentioned. |
| Conditions to avoid                | : | Heat  |
| Incompatible materials             | : | Strong acids and strong bases<br>Oxidizing agents   |
| Hazardous decomposition products   | : | No decomposition if used as directed.   |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

|                           |   |                            |
|---------------------------|---|----------------------------|
| Acute inhalation toxicity | : | Remarks: no data available |
| Acute dermal toxicity     | : | Remarks: no data available |

#### Skin corrosion/irritation

Remarks: no data available

#### Serious eye damage/eye irritation

Remarks: no data available

#### Respiratory or skin sensitisation

Remarks: no data available

#### Germ cell mutagenicity

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Genotoxicity in vitro : Remarks: no data available

**Carcinogenicity**

Result: no data available  
Remarks: no data available

**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.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity**

Effects on fertility : Remarks: no data available

**STOT - single exposure**

Remarks: no data available

**STOT - repeated exposure**

Remarks: no data available

**Aspiration toxicity**

No aspiration toxicity classification

**Further information**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxicity to fish : Remarks: no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

Bioaccumulation : Remarks: no data available

**Mobility in soil**

Distribution among environmental compartments : Remarks: no data available

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### Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)  
 Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : no data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If this product becomes a waste, it will be a nonhazardous waste.  
 As a nonhazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

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## SECTION 14. TRANSPORT INFORMATION

**DOT** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

**TDG** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

**IATA** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

**IMDG** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

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|   |   |                     |
|---|---|---------------------|
| <b>ADR</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>RID</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>Special precautions for user</b>   | : | none                |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | : | Not applicable      |

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### SECTION 15. REGULATORY INFORMATION

#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

##### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

##### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

##### **SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

##### **SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### **Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).



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This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

### **Clean Water Act**

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### **US State Regulations**

#### **Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

#### **California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Canadian lists**

#### **NPRI**

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

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## **SECTION 16. OTHER INFORMATION**

### **Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification 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; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and De-

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velopment; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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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.

Date format : yyyy/mm/dd

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