

Porocel Industries is certified to the ISO 9001-2008 standard  
Certificate no. 4313 (Certification by Eagle Registrations Incorporated)

[Compliant with REACH / GHS]

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## Safety Data Sheet acc. to OSHA HCS

Printing date 05/27/2015

Reviewed on 05/22/2015

### 1 Identification

**Product identifier** Activated aluminium oxide (non-fibrous)

**Trade name:** Dryocel 810 / 848 / 848HM

**Porocel Product Grouping Code:** 002

**Application of the substance / the mixture**

Adsorbent  
Anti-moisture agent  
Intermediate  
Preparation of catalysts  
Drier/ Catalyst  
Water treatment

**Details of the supplier of the safety data sheet**

Porocel Industries, LLC  
10300 Arch Street Pike  
Little Rock, AR 72206 (USA)  
1-501-888-1357  
Email: MSDS@porocel.com

**Information department:** Health, Safety, & Environmental Department

**Emergency telephone number:**

For 24 hour emergency assistance, call CHEMTREC in the USA at (800)424-9300; internationally, call collect at (703)527-3887.

### 2 Hazard(s) identification

**Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

**Label elements**

**GHS label elements** Not applicable.

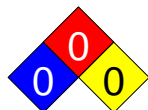
**Hazard pictograms** Not applicable.

**Signal word** Not applicable.

**Hazard statements** Not applicable.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

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**HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixtures****Dangerous components:**

1344-28-1	aluminium oxide (non-fibrous)	94-100%
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**Non-dangerous components:**

7732-18-5	water, distilled, conductivity or of similar purity	≤6%
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**4 First-aid measures****Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.**Information for doctor:****Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** No special measures required.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures** Not required.**Environmental precautions:** No special measures required.**Methods and material for containment and cleaning up:** Pick up mechanically.

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**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.

### 7 Handling and storage

**Handling:**
**Precautions for safe handling** No special measures required.

**Information about protection against explosions and fires:** No special measures required.

**Conditions for safe storage, including any incompatibilities**
**Storage:**
**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**
**Components with limit values that require monitoring at the workplace:**
**1344-28-1 aluminium oxide (non-fibrous)**

PEL	Long-term value: 15*; 15** mg/m <sup>3</sup> *Total dust; ** Respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
TLV	Long-term value: 1* mg/m <sup>3</sup> as Al; *as respirable fraction

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

**Exposure controls**
**Personal protective equipment:**
**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Suitable respiratory protective device recommended.

Not required.

**Protection of hands:**


Protective gloves

**Material of gloves**

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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.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

### 9 Physical and chemical properties

**Information on basic physical and chemical properties**
**General Information**
**Appearance:**

<b>Form:</b>	Solid
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not applicable.

**Change in condition**

<b>Melting point/Melting range:</b>	2050 °C (3722 °F)
<b>Boiling point/Boiling range:</b>	Undetermined.

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Not determined.

**Ignition temperature:**

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure:** Not applicable.

**Density at 20 °C (68 °F):** 0.6 g/cm<sup>3</sup> (5.007 lbs/gal)

<b>Bulk density at 20 °C (68 °F):</b>	700 kg/m <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.

**Solubility in / Miscibility with**

**Water:** Insoluble.

**Partition coefficient (n-octanol/water):** Not determined.

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**Viscosity:****Dynamic:** Not applicable.**Kinematic:** Not applicable.**Solvent content:****Organic solvents:** 0.0 %**Water:** ≤6 %**Solids content:** 94-100 %**Other information** No further relevant information available.

### 10 Stability and reactivity

**Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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**12 Ecological information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Generally not hazardous for water**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:** Smaller quantities can be disposed of with household waste.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number****DOT, ADR, ADN, IMDG, IATA** Not applicable.**UN proper shipping name****DOT, ADR, ADN, IMDG, IATA** Not applicable.**Transport hazard class(es)****DOT, ADR, ADN, IMDG, IATA**  
**Class** Not applicable.**Packing group****DOT, ADR, IMDG, IATA** Not applicable.**Environmental hazards:****Marine pollutant:** No**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**UN "Model Regulation":**

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### 15 Regulatory information

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

##### Section 355 (extremely hazardous substances):

None of the ingredients is listed.

##### Section 313 (Specific toxic chemical listings):

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##### TSCA (Toxic Substances Control Act):

All ingredients are listed.

##### Proposition 65

##### Chemicals known to cause cancer:

None of the ingredients is listed.

##### Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

##### Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

##### Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

##### Carcinogenic categories

##### EPA (Environmental Protection Agency)

None of the ingredients is listed.

##### TLV (Threshold Limit Value established by ACGIH)

1344-28-1 | aluminium oxide (non-fibrous)

A4

##### NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

**GHS label elements** Not applicable.**Hazard pictograms** Not applicable.**Signal word** Not applicable.**Hazard statements** Not applicable.**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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 (division of the American Chemical Society)