

## ALHYDROGEL ® 85

Version 1.0      Revision Date: 10/03/2019      Product code: AJV3013      Date of last issue: -      Print Date : 10/03/2019  
Date of first issue: 10/03/2019

## SECTION 1. IDENTIFICATION

Product name : ALHYDROGEL ® 85

**Manufacturer or supplier's details**

Company name of supplier : Croda Inc  
Address : 300 A Columbus Circle  
Edison, NJ 08837-3907  
US  
Telephone : (732) 417-0800  
Telefax : (732) 417-0804  
Emergency telephone : USA: 24 Hour Emergency Response Information CHEMTREC  
toll free: 1-800-424-9300; direct/international: 1-703-527-3887.  
CANADA: CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-  
6666 or \*666. EUROPE: 00 32 3575 5555. ASIA PACIFIC -  
excl. China: +65 6542-9595. CHINA: +86 816-635 2206.  
AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA: +32 3 575  
55 55. BRASIL: Suatrans 0800 707 7022 / 0800 707 1767.  
LATAM: Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300.  
INDIA: +91 22 30948601/2. JAPAN: +65 6542 9595 (24 時間  
日本語対応無料通話, シンガポール). TÜRKIYE: Sağlık Ba-  
kanlığı Ulusal Zehir Merkezi - 114

**Recommended use of the chemical and restrictions on use**

Recommended use : Adjuvants

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Aluminium Hydroxide	21645-51-2	>= 1 - < 5

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

## SECTION 4. FIRST AID MEASURES

If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.

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In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	If large quantities of this material are swallowed, call a physician immediately.
Most important symptoms and effects, both acute and delayed	:	Eye irritation
Notes to physician	:	None known.

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## SECTION 5. FIRE-FIGHTING MEASURES

## Flammable properties

Flash point	:	No data available
Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not use a solid water stream as it may scatter and spread fire.
Further information	:	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage	:	Store in original container. Keep container tightly closed in a dry and well-ventilated place.

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Materials to avoid : No special restrictions on storage with other products.

Further information on storage stability : Stable under recommended storage conditions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Aluminium Hydroxide	21645-51-2	TWA (Respirable fraction)	1 mg/m3 (Aluminum)	ACGIH

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.  
Eye protection : Safety glasses with side-shields  
Skin and body protection : Impervious clothing

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : gel suspension  
Color : white  
Odor : neutral  
Odor Threshold : No data available  
  
pH : 5.5 - 8.5  
  
Melting point : No data available  
  
Freezing point : No data available  
  
Boiling point : No data available  
  
Decomposition temperature : > 392 °F / > 200 °C  
  
Flash point : No data available  
  
Evaporation rate : No data available  
  
Flammability (solid, gas) : No data available  
  
Self-ignition : No data available  
  
Upper explosion limit / Upper flammability limit : No data available

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Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not applicable

Oxidizing properties : Not applicable

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : None known.

Incompatible materials : Strong acids and strong bases  
Strong oxidizing agents

Hazardous decomposition products : Hazardous decomposition products will be formed at elevated temperatures.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Remarks: None.

Acute inhalation toxicity : Remarks: None.

Acute dermal toxicity : Remarks: None.

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10/03/2019**Skin corrosion/irritation****Product:**

Remarks : None.

**Serious eye damage/eye irritation****Product:**

Remarks : None.

**Respiratory or skin sensitization****Product:**

Remarks : None.

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro : Remarks: None.

Genotoxicity in vivo : Remarks: None.

**Carcinogenicity****Product:**

Remarks : According to the information available there is no indication of carcinogenic effects.

**STOT-single exposure****Product:**

Assessment : No data available

**STOT-repeated exposure****Product:**

Assessment : No data available

**Repeated dose toxicity****Product:**

Remarks : None.

**Aspiration toxicity****Product:**

No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**Toxicity to fish :  
Remarks: None.Toxicity to daphnia and other :  
aquatic invertebrates        Remarks: None.Toxicity to algae :  
Remarks: None.Toxicity to fish (Chronic tox- :  
icity)                                Remarks: None.Toxicity to daphnia and other :  
aquatic invertebrates (Chron- Remarks: None.  
ic toxicity)Toxicity to microorganisms :  
Remarks: None.**Persistence and degradability****Product:**

Biodegradability :    Remarks: No data available

**Bioaccumulative potential****Product:**

Bioaccumulation :    Remarks: No data available

**Mobility in soil****Product:**Distribution among environ- :  
mental compartments        Remarks: No data available**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues :    Dispose of in accordance with local regulations.  
Contaminated packaging :    Empty remaining contents.  
Empty containers should be taken to an approved waste  
handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****Special precautions for user**

Not applicable

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**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know****SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards**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.**US State Regulations****Pennsylvania Right To Know**

Water	7732-18-5
Aluminium Hydroxide	21645-51-2

**New Jersey Right To Know**

Water	7732-18-5
Aluminium Hydroxide	21645-51-2

**California Prop. 65**

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

**The ingredients of this product are reported in the following inventories:**

REACH	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory

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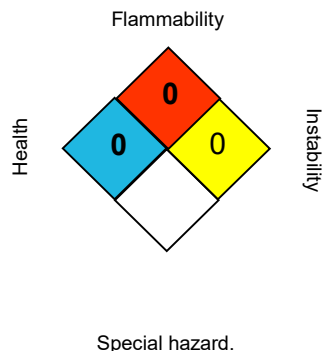
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PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All chemical substances in this product are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

## Further information

## NFPA:



## HMIS II:

HEALTH	0
FLAMMABILITY	0
Reactivity	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

## Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH / TWA : 8-hour, time-weighted average

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 Oth-



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erwise 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 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; 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 Material 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.

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