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<b>SAFETY DATA SHEET</b>		Revision Date: 11.07.2013 Print Date: 10.11.2014
ISP Captivates™ HC4765 encapsulate ™ Trademark, Ashland or its subsidiaries, registered in various countries 829018		MSDS Number: R0717970 Version: 2.0

Conforms to EU Regulation 1907/2006/EC as amended. - SDSCLP\_GB

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

### 1.1 Product identifier

Trade name : ISP Captivates™ HC4765  
encapsulate  
™ Trademark, Ashland or its subsidiaries, registered in  
various countries

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

Use of the : Personal care  
Substance/Mixture

<b>1.3 Details of the supplier of the safety data sheet</b>  Ashland P.O. Box 8619 NL3009 AP, Rotterdam Netherlands  EUSMT@ashland.com	<b>1.4 Emergency telephone number</b>  00-800-274-5263-3/001-606-329-5701 , or contact your local emergency telephone number at 112  <b>Product Information</b> +31 10 497 5000 (in the Netherlands), or contact your local CSR contact person
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## 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.


#### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

### 2.2 Label elements

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

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

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### 2.3 Other hazards

Assessment : PBT substance , vPvB substance - not determined

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Gum arabic	9000-01-5 232-519-5	Xi; R36/38		>= 1 - < 2,5

For the full text of the R-phrases mentioned in this Section, see Section 16.


## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	: First aid is not normally required. If symptoms develop, seek medical attention.
If inhaled	: Move to fresh air. If symptoms persist, call a physician. In case of shortness of breath, give oxygen.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water.
In case of eye contact	: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. Remove contact lenses.
If swallowed	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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

Symptoms : Signs and symptoms of exposure to this material through

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breathing, swallowing, and/or passage of the material through  
the skin may include:  
stomach or intestinal upset (nausea, vomiting, diarrhea)  
irritation (nose, throat, airways)

Risks : no data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : no data available

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : ABC powder  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray

Unsuitable extinguishing media : Halons

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : carbon dioxide and carbon monoxide  
nitrogen oxides (NO<sub>x</sub>)  
undefined organics

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

Further information : Keep containers and surroundings cool with water spray.  
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.

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### SECTION 6: Accidental release measures

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

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Personal precautions : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

## 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

## 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Large spills should be collected mechanically (remove by pumping) for disposal.  
Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

no data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist.  
For personal protection see section 8.  
Avoid exceeding of the given occupational exposure limits (see section 8).  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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

Requirements for storage areas and containers : Store in original container.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions : Protect from frost.

Advice on common storage : No special restrictions on storage with other products.

Other data : Stable under recommended storage conditions.  
Protect from frost.

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Wear resistant gloves such as:  
: Neoprene  
: nitrile rubber

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear as appropriate:  
Safety shoes

Hygiene measures : Ensure that eyewash stations and safety showers are close to the workstation location.

#### Environmental exposure controls

General advice : Prevent further leakage or spillage if safe to do so.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Colour : grey

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Odour : characteristic  
 Odour Threshold : no data available  
 pH : 3,0 - 7,0; 30  
  
 Freezing point / Melting point : no data available  
  
 Boiling point : no data available  
 Flash point : not applicable  
  
 Evaporation rate : no data available  
 Flammability (solid, gas) : no data available  
 Burning rate : no data available  
 Lower explosion limit : no data available  
 Upper explosion limit : no data available  
 Vapour pressure : no data available  
  
 Relative vapour density : no data available  
 Relative density : no data available  
 Density : 1 g/cm<sup>3</sup>; 20 °C  
  
 Water solubility : no data available  
  
 Solubility in other solvents : no data available  
 Partition coefficient: n-octanol/water : no data available  
 Auto-ignition temperature : no data available  
 Ignition temperature : no data available  
 Thermal decomposition : no data available  
 Viscosity, dynamic : no data available  
 Viscosity, kinematic : no data available  
 Explosive properties : no data available  
 Oxidizing properties : no data available

## 9.2 Other information

Bulk density : no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Hazardous polymerisation does not occur.

### 10.2 Chemical stability

No hazards to be specially mentioned.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Further information: No hazards to be specially mentioned.  
: Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

Materials to avoid : oxidizers

### 10.6 Hazardous decomposition products

Hazardous decomposition products : carbon dioxide and carbon monoxide  
nitrogen oxides (NOx)  
undefined organics

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity : no data available  
  
Acute inhalation toxicity : no data available  
  
Acute dermal toxicity : no data available  
  
Skin corrosion/irritation : no data available  
  
Serious eye damage/eye : no data available

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irritation

Respiratory or skin : no data available  
sensitisation

**Components:**  
no data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**  
no data available

**Components:**  
no data available

### 12.2 Persistence and degradability

**Product:**  
no data available

**Components:**  
no data available

### 12.3 Bioaccumulative potential

**Product:**  
Bioaccumulation : The bioaccumulation potential cannot be determined.

**Components:**  
no data available

### 12.4 Mobility in soil


**Product:**  
no data available

**Components:**  
no data available

### 12.5 Results of PBT and vPvB assessment

**Product:**  
no data available



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**Components:**  
no data available

## 12.6 Other adverse effects

**Product:**  
no data available

**Components:**  
no data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.

: Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.

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## SECTION 14: Transport information

### 14.1 UN number

**ADR:** Not dangerous goods

**ADNR:** Not dangerous goods

**RID:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

### 14.2 UN proper shipping name

**ADR:** Not dangerous goods

**ADNR:** Not dangerous goods

**RID:** Not dangerous goods


**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

### 14.3 Transport hazard class(es)

**ADR:** Not dangerous goods

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**ADNR:** Not dangerous goods

**RID:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

#### 14.4 Packing group

**ADR:** Not dangerous goods

**ADNR:** Not dangerous goods

**RID:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

#### 14.5 Environmental hazards

**ADR:** not applicable

**ADNR:** not applicable

**RID:** not applicable

**INTERNATIONAL MARITIME DANGEROUS GOODS:** not applicable

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** not applicable

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** not applicable

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: Not applicable

Hazard code(s): Not applicable

Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.


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### SECTION 15: Regulatory information

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

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Directive 96/82/EC does not apply

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#### Notification status

US. Toxic Substances Control Act	e (special case)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	q (quantity restricted)
Australia. Industrial Chemical (Notification and Assessment) Act	n (Negative listing)
Japan. ENCS - Existing and New Chemical Substances Inventory	n (Negative listing)
Korea. Toxic Chemical Control Law (TCCL) List	n (Negative listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	n (Negative listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

## 15.2 Chemical Safety Assessment

no data available

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## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

R36/38 Irritating to eyes and skin.

### Full text of H-Statements referred to under sections 2 and 3.

### Further information

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (+31 10 497 5000).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

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ACGIH : American Conference of Industrial Hygienists  
 BEI : Biological Exposure Index  
 CAS : Chemical Abstracts Service (Division of the American Chemical Society).  
 CMR : Carcinogenic, Mutagenic or Toxic for Reproduction  
 FG : Food grade  
 GHS : Globally Harmonized System of Classification and Labeling of Chemicals.  
 H-statement : Hazard Statement  
 IATA : International Air Transport Association.  
 IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization  
 ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"  
 IMDG : International Maritime Code for Dangerous Goods  
 ISO : International Organization for Standardization  
 logPow : octanol-water partition coefficient  
 LCxx : Lethal Concentration, for xx percent of test population  
 LDxx : Lethal Dose, for xx percent of test population.  
 ICxx : Inhibitory Concentration for xx of a substance  
 Ecxx : Effective Concentration of xx  
 N.O.S.: Not Otherwise Specified  
 OECD : Organization for Economic Co-operation and Development  
 OEL : Occupational Exposure Limit  
 P-Statement : Precautionary Statement  
 PBT : Persistent , Bioaccumulative and Toxic  
 PPE : Personal Protective Equipment  
 STEL : Short-term exposure limit  
 STOT : Specific Target Organ Toxicity  
 TLV : Threshold Limit Value  
 TWA : Time-weighted average  
 vPvB : Very Persistent and Very Bioaccumulative  
 WEL : Workplace Exposure Level  
 ABM : Water Hazard Class for the Netherlands  
 ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: Regulation for the Carriage of Dangerous Substances on the Rhine  
 CLP : Classification, Labelling and Packaging  
 CSA : Chemical Safety Assessment  
 CSR : Chemical Safety Report  
 DNEL : Derived No Effect Level.  
 EINECS : European Inventory of Existing Commercial Chemical Substances.  
 ELINCS : European List of Notified Chemical Substances  
 PEC : Predicted Effect Concentration  
 PEL : Permissible Exposure Limits  
 PNEC : Predicted No Effect Concentration  
 R-phrases : Risk phrases  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 RID : Regulation Concerning the International Transport of Dangerous Goods by Rail  
 S-phrases : Safety phrases  
 WGK : German Water Hazard Class

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