

## SAFETY DATA SHEET ADH9420

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Dated 28/08/2019

| SECTION 1: Identification of the substance/mixture and the company/undertaking            |                                                                                                        |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>1.1. Product Identifier</b>                                                            |                                                                                                        |
| Product Name                                                                              | Adhere ADH9420                                                                                         |
| REACH registered name:                                                                    | ETHYL 2-CYANOACRYLATE                                                                                  |
| REACH registered number(s):                                                               | 01-2119527766-29-XXXX                                                                                  |
| <b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> |                                                                                                        |
| Intended use                                                                              | PC1: Adhesives, sealants                                                                               |
| <b>1.3. Details of the supplier of the safety data sheet</b>                              |                                                                                                        |
| Name                                                                                      | Intertronics                                                                                           |
| Full address                                                                              | 12a Station Field Industrial Estate<br>Banbury Road<br>Kidlington<br>Oxfordshire<br>OX5 1JD<br>England |
| Email address of the competent person responsible for the Safety Data Sheet               | msds@intertronics.co.uk                                                                                |
| <b>1.4. Emergency telephone number</b>                                                    |                                                                                                        |
| For urgent enquiries refer to                                                             | +44 1865 842842                                                                                        |

| SECTION 2: Hazards identification                      |                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2.1. Classification of the substance or mixture</b> |                                                                                                                                                                                                                                                                                                                     |
| Classification under CHIP:                             | Xi: R36/37/38                                                                                                                                                                                                                                                                                                       |
| Classification under CLP:                              | STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315; -: EUH202                                                                                                                                                                                                                                                 |
| Most important adverse effects:                        | Irritating to eyes, respiratory system and skin.                                                                                                                                                                                                                                                                    |
| <b>2.2. Label elements</b>                             |                                                                                                                                                                                                                                                                                                                     |
| Hazard statements:                                     | H315: Causes skin irritation<br>H319: Causes serious eye irritation<br>H335: May cause respiratory irritation<br>EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.                                                                                                  |
| Signal words:                                          | Warning                                                                                                                                                                                                                                                                                                             |
| Hazard pictograms:                                     | GHS07: Exclamation mark<br>                                                                                                                                                                                                      |
| Precautionary statements:                              | P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.<br>P271: Use only outdoors or in a well-ventilated area.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |

|                                                                                                                                                                                                                       |                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312: Call a POISON CENTRE or doctor if you feel unwell.</p> |                                                                                                                                |
| Label elements under CHIP:                                                                                                                                                                                            | Irritant                                                                                                                       |
| Hazard symbols:                                                                                                                                                                                                       |                                               |
| Risk phrases:                                                                                                                                                                                                         | R36/37/38: Irritating to eyes, respiratory system and skin.                                                                    |
| Safety phrases:                                                                                                                                                                                                       | S2: Keep out of the reach of children.<br>S46: If swallowed, seek medical advice immediately and show this container or label. |
| Precautionary phrases:                                                                                                                                                                                                | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.                                      |
| <b>2.3. Other hazards</b>                                                                                                                                                                                             |                                                                                                                                |
| PBT:                                                                                                                                                                                                                  | This product is not identified as a PBT/vPvB substance.                                                                        |

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients:

ETHYL-2-CYANOACRYLATE

| EINECS    | CAS       | CHIP Classification | CLP Classification                                       | Percent |
|-----------|-----------|---------------------|----------------------------------------------------------|---------|
| 230-391-5 | 7085-85-0 | Xi: R36/37/38       | Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315 | >90%    |

##### Non-classified ingredients:

HYDROQUINONE

| EINECS    | CAS      | CHIP Classification                                    | CLP Classification                                                                                            | Percent |
|-----------|----------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|
| 204-617-8 | 123-31-9 | Xn: R40; Xn: R68; Xn: R22; Xi: R41; Sens.: R43; N: R50 | Carc. 2: H351; Muta. 2: H341; Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400 | <1%     |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact:</b> | Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. |
| <b>Eye contact:</b>  | Bathe the eye with running water for 15 minutes. Consult a doctor.                                                             |
| <b>Ingestion:</b>    | Wash out mouth with water. Consult a doctor.                                                                                   |
| <b>Inhalation:</b>   | Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.                                     |

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

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| <b>Skin contact:</b> | There may be irritation and redness at the site of contact.        |
| <b>Eye contact:</b>  | There may be irritation and redness. The eyes may water profusely. |

|                                     |                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion:</b>                   | There may be soreness and redness of the mouth and throat.                                                               |
| <b>Inhalation:</b>                  | There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. |
| <b>Delayed / immediate effects:</b> | Immediate effects can be expected after short-term exposure.                                                             |

**4.3. Indication of any immediate attention and special treatment needed**

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions.**

Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

Refer to section 8 of SDS.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Polyethylene.

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

PC1: Adhesives, sealants.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Hazardous ingredients:**

ETHYL-2-CYANOACRYLATE

Workplace exposure limits:

Respirable dust:

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK    | -          | 1.5 mg/m3    | -          | -            |

**DNEL/PNEC Values:**

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| Type | Exposure   | Value      | Population         | Effect   |
|------|------------|------------|--------------------|----------|
| DNEL | Inhalation | 9.25 mg/m3 | Workers            | Local    |
| DNEL | Inhalation | 9.25 mg/m3 | Workers            | Systemic |
| DNEL | Inhalation | 9.25 mg/m3 | General Population | Local    |
| DNEL | Inhalation | 9.25 mg/m3 | General Population | Local    |

**8.2. Exposure controls**

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter. Gas/vapour filter, type A: organic vapours (EN141)

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                              |                             |
|------------------------------|-----------------------------|
| State:                       | Liquid                      |
| Colour:                      | Colourless                  |
| Odour:                       | Characteristic odour        |
| Evaporation rate:            | No data available           |
| Oxidising:                   | No data available           |
| Solubility in water:         | Reacts with water           |
| Also soluble in:             | Acetone                     |
| Viscosity:                   | Non-viscous                 |
| Kinematic viscosity:         | 2 – 5                       |
| Viscosity test method:       | Cone and Plate @ 25°C (CPs) |
| Boiling point / range °C:    | >149                        |
| Melting point / range °C:    | No data available           |
| Lower inflammability limit:  | No data available           |
| Upper inflammability limit:  | No data available           |
| Flash point °C:              | 80 – 93.4                   |
| Part.coeff. n-octanol/water: | No data available           |
| Autoflammability °C:         | 450                         |
| Vapour pressure:             | <700 mbar                   |
| Relative density:            | 1.05                        |
| pH:                          | Not applicable              |
| VoC g/l:                     | <20                         |

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

Moist air. Heat.

**10.5. Incompatible materials**

Materials to avoid: Water. Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

In combustion emits toxic fumes.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicity values:**

| Route  | Species | Test | Value | Units |
|--------|---------|------|-------|-------|
| DERMAL | RBT     | LD50 | >2000 | mg/kg |
| ORAL   | RAT     | LD50 | >5000 | mg/kg |

**Hazardous ingredients:**

ETHYL-2-CYANOACRYLATE

|     |     |      |    |       |
|-----|-----|------|----|-------|
| ORL | RAT | LD50 | >5 | ml/kg |
|-----|-----|------|----|-------|

**Relevant effects for mixture:**

| Effect     | Route       | Basis                 |
|------------|-------------|-----------------------|
| Irritation | OPT INH DRM | Hazardous: calculated |

**Symptoms / routes of exposure:****Skin contact:**

There may be irritation and redness at the site of contact.

**Eye contact:**

There may be irritation and redness. The eyes may water profusely.

**Ingestion:**

There may be soreness and redness of the mouth and throat.

**Inhalation:**

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:**

Immediate effects can be expected after short-term exposure.

**SECTION 12: Ecological information****12.1. Toxicity**

Ecotoxicity values: No data available.

**12.2. Persistence and degradability**

Biodegradable

**12.3. Bioaccumulative potential**

No bioaccumulation potential

**12.4. Mobility in soil**

Readily absorbed into soil

**12.5. Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance

**12.6. Other adverse effects**

Negligible ecotoxicity

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 08 04 09

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14: Transport information****14.1. UN number**

UN Number: UN3334

**14.2 UN proper shipping name**

Shipping name: AVIATION REGULATED LIQUID, N.O.S. (ETHYL-2-CYANOACRYLATE)

**14.3 Transport hazard class(es)**

Transport class: 9

**14.4 Packing group**

Packing group: III

**14.5 Environment hazards**

Environmentally hazardous: No

Marine pollutant: No

**14.6 Special precautions for user**

Special precautions: No special precautions

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**SECTION 16: Other information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Phrases used in s.2 and s.3:**

- EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H400: Very toxic to aquatic life.
- R22: Harmful if swallowed.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R40: Limited evidence of a carcinogenic effect.
- R41: Risk of serious damage to eyes.
- R43: May cause sensitisation by skin contact.
- R50: Very toxic to aquatic organisms.
- R68: Possible risk of irreversible effects.

**Legend to abbreviations:**

PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

**Legal disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.