



## Section 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

Product Name: 5023-1HV

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

Recommended Use(s): Adhesive used in Assembly for bonding

Non-Recommended /  
Restricted Use(s): None

### Details of the supplier of the safety data sheet

Manufacturer: Adfast  
2685 Diab  
Ville Saint-Laurent Quebec H4S 1E7  
Canada

Email: servicemtl@adfastcorp.com

Url: <http://www.adfastcorp.com>

### Emergency telephone number

Emergency Contact: Emergency Spills (CANUTEC): 613-996-6666  
Emergency Spills (CHEMTREC): 800-424-9300

## Section 2. Hazards identification

### Classification of the substance or mixture

#### GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Respiratory)  
Skin sensitization - Category 1  
Serious eye irritation - Category 2A  
Skin irritation - Category 2  
Flammable Liquids - Category 4

### Label elements

#### Pictograms:



Signal Words:  
Warning

**Hazard Statements:**

Combustible liquid.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 May cause respiratory irritation.

**Precautionary Statements:****Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 Keep cool.  
 Avoid breathing fume, vapors, gas, mist, spray.  
 Wash skin and hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves, protective clothing, eye protection.

**Response**

Call a POISON CENTER, doctor if you feel unwell.  
 If skin irritation occurs: Get medical advice.  
 If eye irritation persists: Get medical advice.  
 Specific treatment (see None on this label).  
 If eye irritation persists: Get medical advice.  
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 IF ON SKIN: Wash with plenty of Soap and water.  
 Take off contaminated clothing. And wash it before reuse.  
 In case of fire: Use Use dry chemical, foam or carbon dioxide to extinguish to extinguish.

**Storage**

Store in a well-ventilated place.  
 Store locked up.

**Disposal**

Dispose of contents Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

**Other hazards**

No available data for this section.

**Section 3. Composition/information on ingredients****Substances**

No available data for this section.

**Mixtures**

| Identifiers | Ingredients             | Percentage | Classification |
|-------------|-------------------------|------------|----------------|
| 7085-85-0   | ETHYL-2-CYANO ACRYLATE  | 80% - 100% |                |
| 9011-14-7   | Polymethyl methacrylate | 10% - 20%  |                |

**Section 4. First-Aid Measures****Description of First Aid Measures****In the event of splashes or contact with eyes**

Immediately flush with clean, low-pressure water for several minutes. Remove the contact lenses if worn and easy to do that. Continue rinsing. Immediately seek medical attention.

**In the event of splashes or contact with skin**

Wash contaminated areas thoroughly with water. Peel or roll skin apart.

### In the event of ingestion

Peel or roll skin apart. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after detachment. Product has no known ingestion hazards.

### In the event of inhalation

Remove to fresh air. prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.

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

No available data for this section.

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

**Eyes:** Causes serious eye irritation.

**Chronic effects:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**Acute toxicity:** Avoid exposure to vapor concentration in confined areas.

**Signs and symptoms of overexposure:** Will bond eyelids. Will cause excessive tearing. May cause skin irritation. May cause sensitization by skin contact. Cyanoacrylates generate heat on polymerization, so very large amounts will burn the skin. Saliva will lift adhesive in 1-2 days. Bonds skin and eyes in seconds. Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth.

## Section 5. Firefighting Measures

### Extinguishing media

#### Suitable Extinguishing Media

**The suggested appropriate media:** Carbon dioxide. Dry chemical. Foam.

#### Unsuitable Extinguishing Media

No available data for this section.

## Special hazards arising from the substance or mixture

### Specific Hazards Arising from Combustion of Products

No available data for this section.

### Combustion Products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## Advice for firefighters

### Protective Measures for Fire-Fighting

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

### Special Protective Actions for Fire-Fighters

No available data for this section.

### Other Information for Fire Fighters

**Flammability:** Combustible liquid. Category 4.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

No available data for this section.

## Environmental precautions

None Known.

## Methods and material for containment and cleaning up

**Large spill:** Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

**Small spill:** Polymerize with water. Solid material may be scraped from surface.

## Reference to other sections

No available data for this section.

# Section 7. Handling and Storage

## Precautions for safe handling

Ensure there is sufficient ventilation of the area. Wear protective goggles to prevent contact with eyes. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Avoid direct contact with the substance (solid / liquid / vapor).

## Conditions for safe storage, including any incompatibilities

### Conditions for Safe Storage

**Storage temperature:** 41-50°C (5-10°C).

**Storage life:** 1 year.

**Keep away from:** Direct sunlight.

Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances (See section 10).

### Suitable Packaging

No available data for this section.

### Incompatible Materials

No available data for this section.

## Specific end use(s)

No available data for this section.

# Section 8. Exposure Controls / Personal Protection

## Control parameters

### Control Parameters / Limits for Product

No available data for this section.

### Control Parameters / Limits for Component

ETHYL-2-CYANO ACRYLATE

ACGIH TLV

0.2 ppm.

1.0 mg/m<sup>3</sup>.

## Exposure controls

### Engineering Measures

Use only in a well ventilated area. Eye wash stations should be easily accessible to areas where product is stored, handled, or used. Respect the occupational health and safety standards.

### Respiratory Protection

Use only in a well-ventilated area. Respiratory protection is required if the concentrations exceed the TLV. Certified self-contained breathing apparatus must be available in case of emergency. Use only outdoors or in a well-ventilated area.

### Eye/Face Protection

Wear splash resistant safety goggles with a face shield.

### Skin and Body Protection

Do not use PVC, Nylon or Cotton materials.

### Hand Protection

**Compatible Gloves Material:** Nitrile.

Ensure gloves are certified. Wear impermeable gloves.

### Hygiene Measures

No available data for this section.

### Environmental exposure controls

No available data for this section.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                              |   |
|------------------------------|---|
| Physical State               | Liquid                                    |
| Appearance                   | Clear, Opaque, Slight                     |
| Odor                         | Characteristic odor, intensely irritating |
| Odor threshold               | 1 ppm                                     |
| pH                           | Not applicable                            |
| Melting point                | Not available                             |
| Boiling point                | Greater than 149°C / 300.2°F              |
| Flash Point                  | 80°C / 176°F<br>TAG CC                    |
| Evaporation rate             | Not available                             |
| Flammability                 | Not available                             |
| Flammability limit           | Not available                             |
| Vapor pressure               | Lesser than 2 mmHg                        |
| Vapor density                | Not available                             |
| Relative density             | Not available                             |
| Solubility                   | Insoluble                                 |
| Solubility in other solvents | Not available                             |
| Partition coefficient        | Not available                             |
| Auto-ignition temperature    | 485°C / 905°F                             |
| Decomposition temperature    | Not available                             |
| Viscosity                    | Not available                             |
| Freezing point               | Not available                             |
| Density                      |   |

1.07 g/ml  
Conditions of Measurement:  
Temperature: 25°C / 77°F  
Pressure: 101.3kPa

|  |  |
|--|--|
| VOC content                            | Lesser than 20 g/l<br>SCAQMD method 316B |
| Evaporation rate w/r/t ether           | Not available                            |
| Evaporation rate w/r/t butyl acetate   | Not available                            |
| Relative density w/r/t water           | Not available                            |
| Relative density w/r/t air             | Not available                            |
| Relative density w/r/t other substance | Not available                            |

## Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### Reactivity

**Reactivity:** Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

### Conditions to Avoid

Temperatures above 176°F (80°C), moisture and alkalines.

### Incompatible Materials

Polymerized by water, alcohol, amines, alkaline materials.

### Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

## Section 11. Toxicological Information

### Information on toxicological effects

#### Toxicological Information for Product

**Respiratory:** Irritant.

**Carcinogenicity:** IARC: none known. NTP: none known. OSHA: none known.

**Skin effects:** Irritating to skin. may cause allergic skin reaction with prolonged contact.

**Eye effects:** Bonds skin and eyes in second. Eye irritant. Bonds skin and eyes in seconds. Eye irritant.

**Sensitization:** Possible skin sensitizer.

#### Toxicological Information for Component

No available data for this section.

#### Irritation/Corrosion Information for Product

No available data for this section.

**Irritation/Corrosion Information for Component**

No available data for this section.

**Section 12. Ecological Information****Toxicity****Ecotoxicity Values for Product**

**Ecotoxicity:** No data available. No ecotoxicity values specified for product.

**Persistence and degradability:** Biodegradable.

No data available.

**Ecotoxicity Values for Component**

No available data for this section.

**Persistence and degradability**

No available data for this section.

**Bioaccumulative potential****Bioaccumulative Potential for Product**

No bioaccumulative potential.

**Bioaccumulative Potential for Component**

No available data for this section.

**Mobility in soil**

Readily absorbed into soil.

**Results of PBT and vPvB assessment**

No available data for this section.

**Other adverse effects**

No available data for this section.

**Section 13. Disposal Considerations****Waste treatment methods****Waste Disposal Regulation(s) / Operation**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

**Waste Treatment Methods**

No available data for this section.

**Section 14. Transportation Information**

|                                | ADR                                 | IMDG                                | IATA                                | DOT                                 |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>UN number</b>               | No available data for this section. | No available data for this section. | No available data for this section. | No available data for this section. |
| <b>UN proper shipping name</b> | No available data for this section. | No available data for this section. | No available data for this section. | No available data for this section. |

|  | ADR   | IMDG                                | IATA                                | DOT                                 |
|--|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Transport hazard class(es)   | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| Packing group  | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| Environmental hazards  | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
|  |   |                                     |                                     |                                     |
| Special precautions for user                                       | No available data for this section.         |                                     |                                     |                                     |
| Transport in bulk according to Annex II of Marpol and the IBC Code | No available data for this section.         |                                     |                                     |                                     |
| Other  | This product is not regulated for transport |                                     |                                     |                                     |

## Section 15. Regulatory Information

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

#### Safety, Health and Environmental Regulations for Product

TSCA: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

SARA 313 REPORTABLE INGREDIENTS: None above reporting de minimus.

SARA 311/312 HAZARD CATEGORIES: Immediate Health, Delayed Health, Fire, Reactive.

SARA 302/304 EMERGENCY PLANNING: None above reporting de minimus.

Clean air act: 40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not applicable

Canada DSL: All components are listed on or are exempt from listing on the Domestic Substance List.

CALIFO RNIA PROPOSITION 65: No California Proposition 65 ingredients are known to be in this product.

#### Safety, Health and Environmental Regulations for Component

No available data for this section.

### Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### Other Information

No available data for this section.

### 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. This company shall not be held liable for any damage resulting from handling or from contact with the above product

### Glossary

No available data for this section.