

## IDENTIFICATION

### PRODUCT INFORMATION

Product Identifier: ADHL-UVBINDER-FAST

### MANUFACTURE (CANADIAN SUPPLIER IDENTIFIER):

Adhesives Lab  
235 Rayette Road, Unit 4  
Vaughan, Ontario L4K 2G1  
Tel: (819) 643-9900 Ext 4

### EMERGENCY TELEPHONE NUMBERS

Tel: (819) 643-9900 Ext 4

## HAZARD IDENTIFICATION

### Classification of the substance or mixture

- Acute Toxicity (Inhalation) - Category 4
- Skin Irritation - Category 2
- Eye Irritation - Category 2A
- Respiratory Sensitizer - Category 1
- Skin Sensitizer - Category 1
- Specific Target Organ Toxicity - Single Exposure - Category 3
- H332 Harmful if inhaled
- H315 Causes skin irritation.
- H319 Causes serious eye irritation
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

## A. Label Elements

**GHS Label Elements** The product is classified and labeled according to the Globally Harmonized System (GHS)

### ○ Hazard Symbols:



### ○ Signal Word: **Warning**

### ○ Hazard Statements:

- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation. **Precautionary Statements:**

### 1) Prevention:

- Keep out of reach from children.
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

NFPA ratings (scale 0 - 4)

- Health = 2
- Fire = 1
- Reactivity = 0

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

- Health = \*2
- Fire = 1
- Reactivity = 0

**COMPOSITION/INFORMATION OF INGREDIENTS****Chemical characterization: Mixtures**

· Description: Mixture of the substances listed below with nonhazardous additions.

<b>Dangerous Components</b>		
5124-30-1	4,4'-methylenedi(cyclohexyl isocyanate)	10-30% w/w
4098-71-9	isophorone di-isocyanate	1-5% w/w

**FIRST-AID MEASURES****Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**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.

**FIREFIGHTING MEASURES****Extinguishing media**

- **Suitable extinguishing agents:** Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

**ACCIDENTAL RELEASE MEASURES**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.

**HANDLING AND STORAGE**

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **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:** Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

**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:**

**5124-30-1 4,4'-methylenedi(cyclohexyl isocyanate)**

EL Long-term value: 0,005 ppm  
Ceiling limit value: 0,01 ppm

EV Long-term value: 0,005 ppm  
Ceiling limit value: 0,02 ppm

**4098-71-9 isophorone di-isocyanate**

EL Long-term value: 0,005 ppm  
Ceiling limit value: 0,01 ppm

S  
EV Long-term value: 0,005 ppm  
Ceiling limit value: 0,02 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- **Breathing equipment:**
  - During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious).
  - When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning properties. When in a confined space wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.
- **Protection of hands:** Protective Gloves
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

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:** Tightly sealed goggles

## PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### General Information

· **Appearance:**

**Form:** Fluid

**Color:** Clear

· **Odor:** Light

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 251 °C

· **Flash point:** 132 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

**Decomposition temperature:** Not determined.

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

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

· **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

· **Vapor pressure:** Not determined.

· **Density at 20 °C:** 1,03 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

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

· **Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**VOC content:** 0,2 %

1,9 g/l / 0,02 lb/gl

• **Other information** No further relevant information available.

## STABILITY AND REACTIVITY

**Reactivity** No further relevant information available.

- **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.

## TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

- **Sensitization:**

Sensitization possible through inhalation.

Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

**Harmful**

**Irritant**

### Carcinogenic categories

- **IARC (International Agency for Research on Cancer)**  
1330-20-7 xylene 3
- **NTP (National Toxicology Program)**  
None of the ingredients is listed. toxicity:

### 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:**

**Water hazard class 1 (Self-assessment):** slightly hazardous for water

**Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### DISPOSAL CONSIDERATIONS

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### TRANSPORTATION INFORMATION

- **UN-Number**
- **DOT, TDG, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **DOT, TDG, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, TDG, IMDG, IATA**
- **Class** Void
- **Label -**
- **ADN/R Class:** Void
- **Packing group**
- **DOT, TDG, IATA** Void
- **IMDG III**
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Danger code (Kemler):** -
- **EMS Number:** -
- **Transport in bulk according to Annex II of**



MARPOL73/78 and the IBC Code Not applicable.

- **Transport/Additional information:**
- **DOT**
- **Quantity limitations On passenger aircraft/rail: -**  
**On cargo aircraft only: =-**
- **IMDG**
- **Limited quantities (LQ) -**
- **Excepted quantities (EQ) Code: -**
- **UN "Model Regulation": Void**

## REGULATORY INFORMATION

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

- **Sara**

- **Section 355 (extremely hazardous substances):**

4098-71-9 isophorone di-isocyanate

- **Section 313 (Specific toxic chemical listings):**

**5124-30-1 4,4'-methylenedi(cyclohexyl isocyanate)**

**4098-71-9 isophorone di-isocyanate**

**1330-20-7 xylene**

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

**5124-30-1 4,4'-methylenedi(cyclohexyl isocyanate)**

**4098-71-9 isophorone di-isocyanate**

- **Canadian Ingredient Disclosure list**

**GHS Label Elements** The product is classified and labeled according to the Globally Harmonized System (GHS)

- **Hazard Symbols:**



**Signal word Danger**

- **Hazard-determining components of labeling:**

4,4'-methylenedi(cyclohexyl isocyanate)

isophorone di-isocyanate

- **Hazard statements**

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## OTHER INFORMATION

Prepared By:

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**January 2021**

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