



# Safety Data Sheet

[Hapflex 671A]

## Section 1. Identification

Product Identifier [Hapflex 671A]  
Synonyms N/A  
Manufacturer Stock Numbers N/A

Recommended use Molding Compound  
Uses advised against N/A

Manufacturer Contact  
Address Hapco Inc.  
353 Circuit St.  
Hanover, MA, 02339  
U.S.A

Phone  
(781) 826-8801

Emergency Phone  
(800) 424-9300  
CHEMTREC Night and  
day

Fax  
(781) 826-9544

Website  
[www.hapcoweb.com](http://www.hapcoweb.com)

## Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 3  
ASPIRATION HAZARD - Category 2  
EYE DAMAGE/IRRITATION - Category 2B  
SENSITIZATION - RESPIRATORY - Category 1  
SKIN CORROSION/IRRITATION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Danger

Pictogram



Hazard Statements

Causes eye irritation  
Causes skin irritation  
May be harmful if swallowed and enters airways  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause respiratory irritation; or May cause drowsiness or dizziness  
Toxic if inhaled

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.  
Call a poison center/doctor/...  
Do NOT induce vomiting.  
If experiencing respiratory symptoms: Call a poison center/doctor/ ...  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If skin irritation or rash occurs: Get medical advice/attention.  
If swallowed: Immediately call a poison center/doctor/...

Prevention

[In case of inadequate ventilation] wear respiratory protection.  
Avoid breathing dust/fume/gas/mist/ vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection/face protection.  
Wear protective gloves.

Storage

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

Disposal

N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Emergency Overview

Toxic by inhalation; harmful if inhaled or swallowed; may cause eye, skin and respiratory tract irritation; may cause sensitization by skin contact, may cause allergic respiratory reaction.

### Section 3. Ingredients

| CAS       | Ingredient Name                              | Weight %  |
|-----------|--|-----------|
| 5124-30-1 | Cyclohexane, 1,1'-methylenebis[4-isocyanato- | 13% - Max |
|           | Proprietary prepolymer, H12MDI capped        | 87% - Max |

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

Skin Contact

Remove contaminated clothing. Wash skin promptly with soap and water. Seek immediate medical attention.

|             |   |
|-------------|---|
| Ingestion   | DO NOT INDUCE VOMITTING. Drink 1-2 cups water or milk. Do Not give anything by mouth to an unconscious person Seek immediate medical attention                      |
| Inhalation  | Move to fresh air. Aid in breathing if necessary. Asthmatic-type symptoms may develop immediately or delayed up to several hours. Seek immediate medical attention. |
| Eye Contact | Immediately rinse eyes with running water for at least 15-30 minutes. Seek immediate medical attention.   |

## Section 5. Fire Fighting Measures

|                                  |  |
|----------------------------------|--|
| Suitable Extinguishing Media     | Carbon dioxide, foam, or dry chemical.   |
| Unsuitable Extinguishing Media   | N/A  |
| Special Fire Fighting Procedures | Full emergency equipment with self-contained breathing apparatus and full protective clothing (turnout gear) should be worn by fire fighters. Burning of this material will result in the release of toxic fumes. Closed containers may explode when exposed to extreme heat or burst when contaminated with water (carbon dioxide evolved). |

## Section 6. Accidental Release Measures

|                 |   |
|-----------------|---|
| Spill and Leaks | Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Dike or impound spilled material and control further spillage if feasible. Cover with sand or other material to reduce stickiness. Pour neutralizing solution over area and allow to react for 10 - 30 minutes. Collect material in open containers and add more neutralizing chemicals |
|-----------------|---|

## Section 7. Handling and Storage

|                 |  |
|-----------------|--|
| Product Storage | Store in tightly closed containers in dry, well-ventilated area away from areas of direct heat, and incompatibles. Store at ambient temperature. Keep containers tightly closed and upright when not in use. |
| Handling        | Do not get in eyes, on skin or on clothing. Use in a well ventilated area. Wear suitable gloves. Wash hands before eating, drinking, smoking.  |

## Section 8. Exposure Controls/Personal Protection

|                                   |  |           |          |      |
|-----------------------------------|--|-----------|----------|------|
| Occupational Exposure Limits      | Ingredient Name  | ACGIH TLV | OSHA PEL | STEL |
|                                   | Cyclohexane, 1,1'-methylenebis[4-isocyanato-   | .005 ppm  | .01 ppm  | N/A  |
|                                   | Proprietary prepolymer, H12MDI capped  | N/A       | N/A      | N/A  |
| Personal Protective Equipment PPE | Goggles, Gloves, Face Shield   |           |          |      |
|                                   | Personal protection equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process. |           |          |      |

## Section 9. Physical and Chemical Properties

|                |          |
|----------------|----------|
| Physical State | Moderate |
|----------------|----------|

|                                       |                                     |
|---------------------------------------|-------------------------------------|
|                                       | viscosity<br>liquid                 |
| Color                                 | Colorless                           |
| Odor                                  | Very slight<br>odor                 |
| Odor Threshold                        | N/A                                 |
| Solubility                            | Insoluable,<br>reacts with<br>water |
| Partition coefficient Water/n-octanol | N/A                                 |
| VOC%                                  | N/A                                 |
| Viscosity                             | N/A                                 |
| Specific Gravity                      | 1.1                                 |
| Density lbs/Gal                       | N/A                                 |
| Pounds per Cubic Foot                 | N/A                                 |
| Flash Point                           | >205C                               |
| FP Method                             | N/A                                 |
| Ph                                    | N/A                                 |
| Melting Point                         | Not<br>Determined                   |
| Boiling Point                         | 165C                                |
| Boiling Range                         | N/A                                 |
| LEL                                   | N/A                                 |
| UEL                                   | N/A                                 |
| Evaporation Rate                      | N/A                                 |
| Flammability                          | N/A                                 |
| Decomposition Temperature             | N/A                                 |
| Auto-ignition Temperature             | N/A                                 |
| Vapor Pressure                        | Not<br>Determined                   |
| Vapor Density                         | Not<br>Determined                   |

## Section 10. Stability and Reactivity

|                    |   |
|--------------------|---|
| Other              | Contact with moisture or other materials which react with isocyanates may cause polymerization.   |
|                    | Oxides of carbon and nitrogen under burning conditions.   |
|                    | Contact with certain rubbers and plastics can cause imbrittlement or softening of the material with subsequent loss in strength.                    |
| Chemical Stability | This is a stable product.   |
| Reactivity         | Incompatible with the following: Aluminum, Zinc, strong oxidizers, amines water, alcohols, strong bases, metal compounds, surface active materials. |

## Section 11. Toxicological Information

|                           |  |
|---------------------------|--|
| Primary Route(s) of Entry | Eye, Skin contact, Inhalation and Ingestion.   |
| Ingestion                 | May cause aspiration hazard if swallowed; May cause irritation to the mucous membranes of the mouth, throat and digestive tract. |

|                          |   |
|--------------------------|---|
| Eye                      | May cause tearing, reddening and/or swelling; May cause slight corneal injury.  |
| Skin                     | Can be severely irritating.   |
| Inhalation               | Highly toxic by inhalation of aerosol or mist; May cause coughing and difficulty breathing; Extremely high vapor concentration may cause lung damage. |
| Carcinogenic Information | No Carcinogenic substances as defined by IARC, NTP, and/or OSHA.  |

## Section 12. Ecological Information

No Data Available

## Section 13. Disposal

|          |   |
|----------|---|
| Disposal | Dispose of waste in compliance with all applicable federal, state and local environmental laws and regulations. Compliance with waste laws and regulations are the responsibility of the waste generator. |
|----------|---|

## Section 14. Transport Information

|                         |                              |
|-------------------------|------------------------------|
| UN Number               | N/A                          |
| UN Proper Shipping Name | Non-Hazardous liquid plastic |
| DOT Classification      | Not regulated.               |
| Packing Group           | N/A                          |

## Section 15. Regulatory Information

|                 |  |
|-----------------|--|
| OSHA/HCS status | This product is considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200). |
|-----------------|--|

## Section 16. Other Information

|               |   |
|---------------|---|
| Revision Date | 7/27/2015   |
| HMIS III      | Health = 2* Fire= 1 Phy Hzd= 1  |
| Disclaimer    | Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks and use of the product are therefore assumed by the user and we expressly disclaim all warranties of ever kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users. |

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Rudolph Bros. & Co.  
6550 Oley Speaks Way  
Canal Winchester, OH 43110  
Phone: 614-833-0707  
Fax: 800-600-9508  
e-mail: [rbcsupport@rudbro.com](mailto:rbcsupport@rudbro.com)  
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