## **B-1022 RESIN**



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION MANUFACTURER GENYK Inc. 1701, 3<sup>rd</sup> Avenue, Shawinigan, QC, G9T2W6 Phone: 819-729-0395 / Fax: 819-729-0383 Emergency Telephone number: CHEMTREC 800-424-9300 / CANUTEC 613-996-6666

| SECTION 2: HAZARDS IDENTIFICATION |   |
|-----------------------------------|---|
| PICTOGRAM                         |   |
| Potential Health Effects          | Eye Contact: Vapours may cause glaucopsia and blurred vision.  Skin Contact: May cause irritation and dermatitis.  Inhalation: May cause headaches, dizziness, drowsiness.  Ingestion: May cause irritation to throat, esophagus and stomach and may cause gastrointestinal disturbances. |
| Carcinogenicity                   | The components of this product are not listed by IARC or regulated as a carcinogen by OSHA.   |
| Emergency Overview                | Irritating to eyes, respiratory system and skin. May be harmful if swallowed.   |

| SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS |            |           |
|---|------------|-----------|
| INGREDIENTS   | CAS#       | %         |
| Mix of Polyols  | N/A        | 40 - 60   |
| Mix of Tertiary Amines                                | N/A        | 2.0 – 6.5 |
| Tris-Iso-Chloropropyl Phosphate                       | 13674-84-5 | 8 - 12    |
| 1,1,1,3,3-Pentafluoropropane                          | 460-73-1   | 5 - 20    |
| 1,1,1,3,3-Pentafluorobutane                           | 406-58-6   | 4 - 12    |
| 1,1,1,2,3,3,3-Heptafluoropropane                      | 431-89-0   | 1-5       |

| SECTION 4: FIRST-AID MEASURES     |   |
|-----------------------------------|---|
| If in eyes                        | In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty |
|                                   | of water. Immediate medical attention required.   |
| If on skin                        | Wash affected areas thoroughly with soap and water. If irritation develops, seek        |
|                                   | medical attention.  |
| If inhaled                        | Move the affected person to fresh air. Assist in breathing if necessary. Immediate      |
|                                   | medical attention required.   |
| If swallowed                      | Rinse mouth immediately and drink 200 –300 ml of water, seek medical attention. Do      |
|                                   | not induce vomiting.  |
| Note to physician                 | Treat according to symptoms (decontamination, vital functions), no known specific       |
|                                   | antidote.   |
| SECTION 5: FIRE-FIGHTING MEASURES |   |
| Flash Point                       | >93ºC (> 200ºF)   |
| Suitable Extinguishing Media      | Water spray, dry powder, carbon dioxide, foam.  |
| Hazards during fire-fighting      | No particular hazards known.  |

| Protective equipment for fire-fighting | Firefighters should be equipped with self-contained breathing apparatus. |
|--|--|
|--|--|

| SECTION 6: ACCIDENTAL RELEASE MEASURES |  |
|--|--|
| Personal Precautions                   | Avoid breathing vapours. Provide adequate ventilation and use suitable protective equipment.   |
| Environmental Precautions              | Do not discharge into drains/surface water/groundwater.  |
| Clean-up                               | Cover with an absorbent product, scoop up and put in suitable containers for disposal. Do not throw residues in the sewer. Dispose via a licensed waste disposal company. Wash the spill area with soap and water. |

| SECTION 7: HANDLING AND STORAGE |  |
|---------------------------------|--|
| Storage Temperature             | 15 – 25 °C (59 – 77 °F)  |
| Storage Life                    | 6 months   |
| Handling                        | Do not inhale vapors. Avoid contact with skin and eyes. Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Use only with adequate ventilation and wear appropriate respirator when ventilation is inadequate. Keep the product in the original container or an approved alternative made from a compatible material; keep tightly closed and sealed until ready for use. |
| Safety Precautions in Storage   | Store in a dry, well-ventilated area and in tightly closed containers. Avoid extreme   |
|                                 | heat and store away from frost.  |

| SECTION 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION |   |   |
|---|---|---|
| EXPOSURE LIMIT VALUES                               |   |   |
| Ingredients   | WEEL (AIHA) (TWA) – 8 hr                | OSHA PEL (TWA) – 8 hr                       |
| Polyol Blend  | N/A                                     | N/A   |
| Tris-Iso-Chloropropyl Phosphate                     | N/A                                     | N/A   |
| 1,1,1,3,3-Pentafluoropropane                        | 300 ppm                                 | N/A   |
| 1,1,1,3,3-Pentafluorobutane                         | 1000 ppm                                | N/A   |
| 1,1,1,2,3,3,3-Heptafluoropropane                    | 1000 ppm                                | N/A   |
| INDIVIDUAL PROTECTION EQUIPMENT                     |   |   |
| Respiratory Protection                              | Wear a NIOSH approved, legally app      | roved respiratory protection device when    |
|   | necessary and especially in cases where | e exposure standards may be excessive.      |
| Eye Protection                                      | Use appropriate chemical goggles or fac | ce shields. Do not wear contact lenses when |
|   | working with this product.              |   |
| Skin Protection                                     | Wear chemical resistant gloves and pro  | tective clothing.                           |
| General Safety and Hygiene Measures                 | Wash soiled clothing immediately.       |   |

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |   |
|---|---|
| Appearance                                  | Yellow to amber liquid.   |
| Odour                                       | Slight amine odour  |
| Vapor Pressure                              | N/A   |
| Vapor density                               | 4.6 (1,1,1,3,3 – Pentafluoropropane)  |
| Flash Point                                 | >93 ºC (>200ºF)   |
| Auto-Ignition Temperature                   | N/A   |
| Specific Gravity                            | 1.16 to 1.22  |
| Solubility in Water                         | Moderate  |
| SECTION 10: STABILITY AND REACTIVITY        |   |
| Chemical Stability                          | The product is chemically stable.   |
| Reactivity                                  | No dangerous reactions under normal storage and handling conditions.        |
| Conditions to avoid                         | Avoid exposure to moisture and low (<0°C) and high temperatures. Avoid open |
|   | flame.  |
| Substances to avoid                         | Strong oxidizing and reducing agents.                                       |

| Hazardous Decomposition Products | Carbon monoxide, carbon dioxide. |
|----------------------------------|----------------------------------|
| Corrosion to Metals              | No corrosive effect on metal.    |

| SECTION 11: TOXICOLOGICAL INFORMATION |  |  |
|---------------------------------------|--|--|
| POTENTIAL ACUTE HEALTH EFFECTS        |  |  |
| Eye Contact                           | Product liquids and vapours are irritating. Vapors may cause glaucopsia and blurred vision.        |  |
| Skin Contact                          | May cause irritation and dermatitis.   |  |
| Inhalation                            | May cause headaches, dizziness.  |  |
| Ingestion                             | May cause irritation to throat, esophagus and stomach and may cause gastrointestinal disturbances. |  |
| POTENTIAL CHRONIC HEALTH EFFECTS      | 0  |  |
| Sensitization                         | Not known or reported.   |  |
| Carcinogenic Effects                  | The components of this product are not listed by IARC or regulated as a carcinogen by OSHA.        |  |
| Mutagenic Effects                     | Not known or reported.   |  |
| Developmental Effects                 | Not known or reported.   |  |
| Reproductive Effects                  | Not known or reported.   |  |

| SECTION 12: ECOLOGICAL INFORMATION                          |   |
|---|---|
| Ecological testing has not been conducted for this product. |   |
| Aquatic Toxicity  | Can be harmful in large quantities to aquatic organisms. The product has not been |
|   | tested; the indication is derived from the properties of individual components.   |

| SECTION 13: DISPOSAL INFORMATION |  |
|----------------------------------|--|
| Waste Disposal Method            | Waste must be disposed of in compliance with federal, state, provincial and local environmental control regulations. Dispose of via licensed waste disposal company. |
| Empty Containers Disposal        | Containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.  |

| SECTION 14: TRANSPORTATION INFORMATION |  |  |
|--|--|--|
| Technical Name                         | B-1022 Resin   |  |
| Land Transport TDG                     | Not classified as a dangerous good under transport regulations.        |  |
| Sea Transport IMDG                     | Not classified as a dangerous good under transport regulations.        |  |
| Air Transport IATA/ICAO                | V/ICAO Not classified as a dangerous good under transport regulations. |  |

| SECTION 15: REGULATORY INFORMATION                              |  |
|---|--|
| WHMIS Class D-2B / Material causing other toxic effects (toxic) |  |
| CEPA (DSL)  | All components are listed in the Domestic Substances List. |

| SECTION 16: INFORMATION  |              |             |   |
|--|--------------|-------------|---|
| HMIS Rating (0=minimal/1=slight/2=moderate/3=serious/4=severe)   |              | Health      | 2 |
|  |              | Fire Hazard | 1 |
|  |              | Reactivity  | 0 |
| This product does not contain ozone depleting substances   |              |             |   |
| The information provided in this Safety Data Sheet is corn. The information given is designed only as a guidance for seconsidered a warranty or quality specification. |              |             |   |
| Prepared by  | Genyk Inc.   |             |   |
| Date   | October 2018 |             |   |

## **ISOCYANATE A-2732**



| MATERIAL SAFETY DATA SHEET   |   |  |
|--|---|--|
| SECTION 1: PRODUCT AND COMPANY IDENTIFICATION                            |   |  |
| MANUFACTURER   | PRODUCT                                 |  |
| GENYK Inc.   | Trade Name: ISOCYANATE A-2732           |  |
| 1701, 3 <sup>rd</sup> Avenue, Shawinigan, QC, G9T2W6                     | Chemical Name: Polymeric isocyanate     |  |
| Phone: 819-729-0395 / Fax: 819-729-0383                                  | Chemical family: Isocyanate             |  |
|  | Use: Component of a polyurethane system |  |
| Emergency Telephone number: CHEMTREC 800-424-9300 / CANUTEC 613-996-6666 |   |  |

| SECTION 2: HAZARDS IDENTIFICATION |  |  |
|-----------------------------------|--|--|
| PICTOGRAM                         |  |  |
| OSHA/HCS status                   | This Material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200)  ACUTE TOXICITY: INHALATION – Category 4  SKIN CORROSION / IRRITATION – Category 2  SERIOUS EYE DAMAGE / EYE IRRITATION – Category 1  SKIN SENSITIZATION – Category 1  SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) {Respiratory tract irritation} – Category 3 |  |
| Potential Health Effects          | Harmful if inhaled. May cause an allergic skin reaction. Isocyanates may react with skin protein and moisture to cause itching, reddening, swelling, scaling or blistering. May cause allergic respiratory reaction. May cause respiratory tract irritation. May cause lung damage.  |  |
| Carcinogenicity                   | Suspected of causing cancer.   |  |
| Potential environmental effects   | Not expected to be harmful to aquatic organisms.   |  |

| SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS |           |         |
|---|-----------|---------|
| INGREDIENTS   | CAS#      | %       |
| Diphenylmethane 4,4'-diisocyanate                     | 101-68-8  | 30 - 60 |
| Polymethylene polyphenyl isocyanate                   | 9016-87-9 | 60-100  |

| SECTION 4: FIRST-AID MEASURES |  |
|-------------------------------|--|
| If in eyes                    | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact  |
|                               | lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation   |
|                               | develops and persists.   |
| If on skin                    | Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Wash with plenty of soap and water. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.   |
| If inhaled                    | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim inhaled the substance. |

| If swallowed      | Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the |  |
|-------------------|--|--|
|                   | lungs. Get medical attention if symptoms occur.  |  |
| Note to physician | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.   |  |

| SECTION 5: FIRE-FIGHTING MEASURES      |  |  |
|--|--|--|
| Flash Point                            | Closed cup: >150°C (>302°F)  |  |
|  | Open cup: 230°C (446°F)  |  |
| Suitable Extinguishing Media           | Foam. Dry chemical powder. Carbon dioxide (CO2). Water spray may be used if no |  |
|  | other available and then in copious quantities. Reaction between water and hot |  |
|  | isocyanate may be vigorous.  |  |
| Hazards during fire-fighting           | Combustion products may include: carbon monoxide, carbon dioxide, nitrogen     |  |
|  | oxides, hydrocarbons and HCN.  |  |
| Protective equipment for fire-fighting | Firefighters should be equipped with self-contained breathing apparatus.       |  |

| SECTION 6: ACCIDENTAL RELEASE MEASURES |   |  |
|--|---|--|
| Personal Precautions                   | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak.  Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the MSDS  |  |
| Environmental Precautions              | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).   |  |
| Clean-up                               | If the product is in its solid form: Spilled MDI flakes should be picked up carefully. The area should be vacuum cleaned to remove remaining dust particles completely. If the product is in its liquid form: Absorb spillages onto sand, earth or any suitable adsorbent material. Leave to react for at least 30 minutes. Shovel into open-top drums for further decontamination. Wash the spillage area with water. Test atmosphere for MDI vapour. Neutralise small spillages with decontaminant. Remove and dispose of residues.  The compositions of liquid decontaminants are given in Section 16.  Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |  |

| SECTION 7: HANDLING AND STORAGE |   |  |
|---------------------------------|---|--|
| Storage Temperature             | Store in closed original container at temperatures between 10°C (50°F) and 30°C       |  |
|                                 | (86°F). Store away from incompatible materials (see Section 10 of the MSDS).          |  |
| Handling                        | Put on appropriate personal protective equipment (see Section 8). Persons with a      |  |
|                                 | history of skin sensitization problems or asthma, allergies or chronic or recurrent   |  |
|                                 | respiratory disease should not be employed in any process in which this product is    |  |
|                                 | used. Avoid exposure – obtain special instruction before use. Do not handle until all |  |
|                                 | safety precautions have been read and understood. Do not get in eyes or on skin or    |  |
|                                 | clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate         |  |
|                                 | respirator when ventilation is inadequate. Keep in the original container or an       |  |
|                                 | approved alternative made from a compatible material, kept tightly closed when no     |  |
|                                 | in use. Empty containers retain product residue and can be hazardous.                 |  |
| Safety Precautions in Storage   | Store in accordance with local regulations. Keep container tightly closed in a cool,  |  |
|                                 | sell-ventilated place. Keep away from moisture. Due to reaction with water            |  |
|                                 | producing CO2-gas, a hazardous build-up of pressure could result if contaminated      |  |
|                                 | containers are re-sealed. Do not reseal contaminated containers. Uncontaminated       |  |

containers, free of moisture, may be resealed only after placing under a nitrogen blanket. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Unsuitable containers: Do not store in containers made of copper, copper alloys or galvanized surfaces.

| SECTION 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION |   |   |  |
|---|---|---|--|
| EXPOSURE LIMIT VALUES                               |   |   |  |
| Ingredients   | Diphenylmethane 4,4'-diisocyanate   | Polymethylene polyphenyl isocyanate   |  |
|   | (CAS # 101-68-8)  | (CAS # 9016-87-9)   |  |
|   | TWA   | TWA   |  |
| US. ACGIH Threshold Limit Values                    | 0.005 ppm   | 0.005 ppm   |  |
| Canada Quebec OELs                                  | 0.005 ppm   | 0.005 ppm   |  |
| Canada Ontario OELs                                 | 0.005 ppm   | 0.005 ppm   |  |
| Canada Manitoba OELs                                | 0.005 ppm   | 0.005 ppm   |  |
| Canada Alberta OELs                                 | 0.005 ppm   | 0.005 ppm   |  |
| Canada British Columbia OELs                        | 0.005 ppm   | 0.005 ppm   |  |
| Note: OELs=Occupational Exposure Limit              | S   |   |  |
| INDIVIDUAL PROTECTION EQUIPMENT                     |   |   |  |
| Respiratory Protection                              | uncontrolled release, exposure levels a   | Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. |  |
| Eye Protection                                      |   | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or   |  |
| Skin Protection                                     | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Overall (preferably heavy cotton) or Tyvek-Pro Tech 'C', Tyvek-Pro 'F' disposable coverall.  Use chemical resistant gloves classified under Standard EN374: protective gloves against chemicals and microorganisms. Examples of glove materials that might provide suitable protection include: Butyl rubber, Chlorinated polyethylene, Polyethylene, Ethyl vinyl alcohol copolymers laminated ("EVAL"), Polychloroprene (Neoprene*), Nitrile/butadiene rubber ("nitrile" or "NBR"), Polyvinyl chloride ("PVC" or "vinyl"), Fluoroelastomer (Viton*).  When prolonged or frequently repeated contact may occur, a glove with protection class of 5 or higher (breakthrough time greater then 240 minutes according to EN374) is recommended. Contaminated gloves should be decontaminated and disposed of. |   |  |
| General Safety and Hygiene Measures                 | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.   |   |  |

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |   |  |
|---|---|--|
| Appearance                                  | Brown liquid  |  |
| Odour                                       | Musty   |  |
| Vapor Pressure                              | 0.0001 mmHg at 25°C                                       |  |
| Vapor density                               | N/A   |  |
| Flash Point                                 | Closed cup: >150°C (>302°F) - Open cup : 230°C (446°F)    |  |
| Auto-Ignition Temperature                   | N/A   |  |
| Solubility in water                         | Insoluble – reacts slowly with water to liberate CO2 gas. |  |
| Lower and upper explosive (flammable)       | N/A   |  |
| limits                                      |   |  |

| Auto-ignition temperature            | >600ºC   |
|--------------------------------------|--|
| Specific Gravity                     | 1.22 – 1.25  |
| Viscosity at 25°C                    | 150 – 250 cps  |
| SECTION 10: STABILITY AND REACTIVITY |  |
| Chemical Stability                   | Stable under normal conditions.  |
| Reactivity                           | Reaction with water (moisture) produces CO2-gas. Exothermic reaction with materials containing active hydrogen groups. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presence of solvents. MDI is insoluble with, and heavier than water and sinks to the bottom but reacts slowly at the interface. A solid water-insoluble laver of polyurea is formed at the interface by liberating carbon dioxide gas. |
| Conditions to avoid                  | Avoid high temperatures.   |
| Substances to avoid                  | Water, alcohols, amines, bases and acids.  |
| Hazardous Decomposition Products     | Combustion products may include: Carbon oxides (CO, CO <sub>2</sub> ) nitrogen oxides (NO, NO <sub>2</sub> ) hydrocarbons and HCN  |

| SECTION 11: TOXICOLOGICAL INFO | PRMATION   |
|--------------------------------|--|
| POTENTIAL ACUTE HEALTH EFFECT  | TS Control of the con |
| Eye Contact                    | Causes eye damage/irritation   |
| Skin Contact                   | Causes skin irritation   |
| Inhalation                     | May cause allergic respiratory reaction. May cause respiratory tract irritation. May   |
|                                | cause lung damage.   |
| Ingestion                      | Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.   |
| POTENTIAL CHRONIC HEALTH EFFE  | ECTS CONTROL C |
| Sensitization                  | May cause allergic skin reaction and allergic respiratory reaction.  |
| Carcinogenic Effects           | Suspected of causing cancer  |
| Mutagenic Effects              | No data available  |
| Developmental Effects          | Not expected to cause developmental effects  |
| Reproductive Effects           | Not expected to cause reproductive effects   |

| SECTION 12: ECOLOGICAL INFORMATION |   |
|------------------------------------|---|
|                                    |   |
| Ecotoxicological data              | No ecotoxicity data noted for the ingredients.  |
| Ecotoxicity                        | Not expected to be harmful to aquatic organisms.  |
| Environmental effects              | The product is not classified as environmentally hazardous.   |
| Mobility in soil                   | By considering the production and use of the substance, it is unlikely that significant environmental exposure in the air or water will arise. Immiscible with water but will react with water to produce inert and non-biodegradable solids. Conversion to soluble products, including diamino-diphenylmethane (MDA), is very low under the optimal laboratory conditions of good dispersion and low concentration. In air, the predominant degradation process is predicted to be a relatively rapid OH radical attack, by calculation and by analogy with related diisocyanates. |

| SECTION 13: DISPOSAL INFORMATION |  |
|----------------------------------|--|
| Waste Disposal Method            | The generation of waste should be avoided or minimized wherever possible.  Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional I |

|                           | ocal authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |
|---------------------------|--|
| Empty Containers Disposal | Empty containers should be taken to an approved waste handling site for recycling  |
|                           | or disposal.   |

| SECTION 14: TRANSPORTATION INFORMATION |  |  |  |
|--|--|--|--|
| DOT                                    | OTHER REGULATED SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl |  |  |
|  | Diisocyanate)  |  |  |
| Land Transport TDG                     | Not regulated as dangerous good.                               |  |  |
| Sea Transport IMDG                     | Not regulated as dangerous good.                               |  |  |
| Air Transport IATA/ICAO                | Not regulated as dangerous good.                               |  |  |

| Regulatory Information | UN number     | Classes | PG* | Label | Additional Information   |
|------------------------|---------------|---------|-----|-------|--|
| DOT Classification     | NA3082        | 9       | III |       | Reportable quantity 5000 lbs (2270 kg). Single containers less than 5,000 lbs. are not regulated |
| TDG Classification     | Not regulated | -       | -   |       | -  |
| IMDG Classification    | Not regulated | -       | -   |       | -  |
| IATA Classification    | Not regulated | -       | -   |       | -  |

PG\*: Packing group

| SECTION 15: REGULATORY INFORMATION  |  |  |
|---|--|--|
| WHMIS   | WHMIS Class D-2A: Material causing other toxic effects (very toxic). |  |
|   | WHMIS Class D-2B: Material causing other toxic effects (toxic).      |  |
| CEPA (DSL) All components are listed or exempted.   |  |  |
| This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS |  |  |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

| SECTION 16: INFORMATION  |   |
|--|---|
| HMIS Rating (0=minimal/1=slight/2=moderate/3=serious/4=severe)  Health | 2 |
| Fire Hazard  | 1 |
| Physical Hazard  | 1 |

National Fire Protection Association (U.S.A.)



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Copyright©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by prpoerly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classification in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Liquid decontaminants (percentages by weight or volume)

Decontaminant 1 : sodium carbonate : 5 - 10% - liquid detergent : 0.2 - 2% -Water : to make up to 100%

Decontaminant 2: concentrated ammonia solution: 3-8% -liquid detergent: 0.2% - 2% -water: to make up to 100%

Decontaminant 1 reacts slower with diisocyanates but is more environmentally friendly than decontaminant 2.

Decontaminant 2 contains ammonia presents health hazards. (see supplier safety information).

ISOPA Guidelines for safe Loading/Unloading, transportation, Storage of TDI and MDI, Ref.03+96 PSC-0005-GUIDL. SPI PMDI User Guidelines for the Chemical Protective Clothing Selection.

References of methods used in the Physico-Chemical Properties section are reported in Annex V part A to Commission Directive 92/69/EEC of 31 July 1992 adapting to technical progress for the Seventeenth time Council Directive 67/548/EEC.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification.

| Prepared by | Genyk Inc.    |
|-------------|---------------|
| Date        | Novembre 2018 |