

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Magna Tac M611**

Other means of identification : Not available.

Recommended use of the chemical and restrictions on use

: Adhesives.
No restrictions on use known.

Chemical family

: Mixture

Name, address, and telephone number of the supplier:

Beacon Adhesives

125 Macquesten Parkway South
Mount Vernon, NY, USA
10550

Supplier's Telephone # : (914) 699 3400

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Heavy black liquid.

Most important hazards : May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Occupational exposure to the substance or mixture may cause adverse effects. Toxic to aquatic life with long lasting effects. Avoid release to the environment.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Hazardous classification:

Skin sensitization - Category 1

Carcinogenicity - Category 2

Reproductive toxicity - Category 2

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

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Precautionary statement(s)

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Avoid breathing fumes, mists or vapors.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical attention/advice.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. May be mildly irritating to skin, eyes and respiratory system.. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| <u>Chemical name</u> | <u>Common name and synonyms</u> | <u>CAS #</u> | <u>Concentration (% by weight)</u> |
|--|--|--------------|------------------------------------|
| Bisphenol A / epichlorohydrin resin | Reaction product: bisphenol-A-(epichlorohydrin) Bisphenol A/epichlorohydrin based epoxy resin | 25068-38-6 | 80.0 - 100.0 |
| Glass Fiber | Fiberglass | 65997-17-3 | 7.0 - 13.0 |
| sec-Butyl acetate | Not available. | 105-46-4 | 1.0 - 5.0 |
| para-Aramid fibrils | Kevlar | 24938-64-5 | 0.1 - 1.0 |
| Allyl glycidyl ether (AGE) | Allyl 2,3-epoxypropyl ether Prop-2-en-1-yl 2,3-epoxypropyl ether AGE | 106-92-3 | 0.1 - 1.0 |
| Lamp black | Furnace black Thermal black | 1333-86-4 | 0.1 - 1.0 |

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do not induce vomiting. Never give anything by mouth to a person who is unconscious or is having convulsions. If symptoms develop, seek medical attention.
- Inhalation* : Move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stops, provide artificial respiration. If symptoms develop, seek medical attention.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- Eye contact* : Flush eyes with water for at least 15 minutes. If irritation or symptoms develop, seek medical attention.

Most important symptoms and effects, both acute and delayed

- : May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema.
 May be mildly irritating to skin, eyes and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

SAFETY DATA SHEET**SECTION 5. FIRE-FIGHTING MEASURES****Extinguishing media***Suitable extinguishing media*

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Not considered flammable. However, may burn if exposed to extreme heat and flame. Vapors are heavier than air and may spread along floors. The pressure in sealed containers can increase under the influence of heat.

Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

Hazardous combustion products

: Carbon oxides; Aldehydes; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters*Protective equipment for fire-fighters*

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

: Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains, sewers, waterways and soil.

Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): See section 15.

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

Provide adequate ventilation. Wear suitable protective equipment during handling. Wear protective gloves and eye/face protection. Avoid breathing fumes or mists. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

- Conditions for safe storage** : Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

- Incompatible materials** : Strong oxidizing agents; Strong acids; Strong bases; Amines

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Exposure Limits:</u> | | | | |
|-------------------------------------|-----------------------------------|-------------|---------------------------------|-------------|
| <u>Chemical Name</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| Bisphenol A / epichlorohydrin resin | N/Av | N/Av | N/Av | N/Av |
| Glass Fiber | N/Av | N/Av | N/Av | N/Av |
| sec-Butyl acetate | 200 ppm | N/Av | 200 ppm ; 950 mg/m ³ | N/Av |
| para-Aramid fibrils | N/Av | N/Av | N/Av | N/Av |
| Allyl glycidyl ether (AGE) | 1 ppm | N/Av | N/Av | N/Av |
| Lamp black | 3.0 mg/m ³ (inhalable) | N/Av | 3.5 mg/m ³ | N/Av |

Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

- Respiratory protection** : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29CFR 1910.134). Advice should be sought from respiratory protection specialists.

- Skin protection** : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.

- Eye / face protection** : Wear eye/face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles. A full face shield may also be necessary.

- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Avoid breathing fumes or mists. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing must not be allowed out of the workplace.

SAFETY DATA SHEET**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|--|------------------------------|
| Appearance | : Heavy black liquid. |
| Odour | : N/Av |
| Odour threshold | : N/Av |
| pH | : N/Av |
| Melting Point/Freezing point | : N/Av |
| Initial boiling point and boiling range | : N/Av |
| Flash point | : > 200°C |
| Flashpoint (Method) | : N/Av |
| Evaporation rate (BuAe = 1) | : N/Av |
| Flammability (solid, gas) | : N/Av |
| Lower flammable limit (% by vol.) | : N/Av |
| Upper flammable limit (% by vol.) | : N/Av |
| Oxidizing properties | : None known. |
| Explosive properties | : Not explosive |
| Vapour pressure | : N/Av |
| Vapour density | : N/Av |
| Relative density / Specific gravity | : 1.17 |
| Solubility in water | : Insoluble. |
| Other solubility(ies) | : N/Av |
| Partition coefficient: n-octanol/water or Coefficient of water/oil distribution | : N/Av |
| Auto-ignition temperature | : N/Av |
| Decomposition temperature | : N/Av |
| Viscosity | : N/Av |
| Volatiles (% by weight) | : N/Av |
| Volatile organic Compounds (VOC's) | : None. |
| Absolute pressure of container | : N/Av |
| Flame projection length | : N/Av |
| Other physical/chemical comments | : No additional information. |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | : Not normally reactive. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : Hazardous polymerization does not occur. |
| Conditions to avoid | : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials. |
| Incompatible materials | : Strong oxidizing agents; Strong acids; Strong bases. |
| Hazardous decomposition products | : Refer also to hazardous combustion products, Section 5. |

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Routes of entry inhalation : YES

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: YES**Potential Health Effects:****Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: Mild respiratory irritant. May cause coughing and breathing difficulties.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Sign and symptoms skin

: Direct skin contact may cause temporary redness.

Sign and symptoms eyes

: Direct eye contact may cause slight or mild, transient irritation.

Potential Chronic Health Effects

: None known or reported by the manufacturer.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Carcinogenicity - Category 2 Suspected of causing cancer.

Reproductive effects & Teratogenicity

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive toxicity - Category 2 Suspected of damaging fertility or the unborn child.

Sensitization to material

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Skin sensitization - Category 1. May cause an allergic skin reaction. May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema. Not expected to be a respiratory sensitizer.

Specific target organ effects : According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause target organ toxicity through single or repeated exposures.**Medical conditions aggravated by overexposure**

: Pre-existing skin, eye and respiratory disorders.

Synergistic materials

: None known or reported by the manufacturer.

Toxicological data

: Not classified for acute toxicity based on available data.

There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

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| <u>Chemical name</u> | <u>LC₅₀(4hr)</u> <u>inh, rat</u> | <u>LD₅₀</u> | |
|-------------------------------------|--|-----------------------------|-----------------------------|
| | | <u>(Oral, rat)</u> | <u>(Rabbit, dermal)</u> |
| Bisphenol A / epichlorohydrin resin | N/Av | 11 400 mg/kg | > 2000 mg/kg (No mortality) |
| Glass Fiber | N/Av | > 2000 mg/kg (No mortality) | > 5000 mg/kg |
| sec-Butyl acetate | N/Av | 3200 mg/kg | N/Av |
| para-Aramid fibrils | N/Av | N/Av | N/Av |
| Allyl glycidyl ether (AGE) | 1.9 mg/L (vapour) | 830 - 1600 mg/kg | 2550 mg/kg |
| Lamp black | 6.75 mg/L (dust) | > 10 000 mg/kg | > 3000 mg/kg |

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

: Toxic to aquatic life with long lasting effects. No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

| <u>Ingredients</u> | <u>CAS #</u> | <u>Toxicity to Fish</u> | | |
|-------------------------------------|--------------|--------------------------|----------------------|-----------------|
| | | <u>LC50 / 96h</u> | <u>NOEC / 21 day</u> | <u>M Factor</u> |
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | 3.4 mg/L (Rainbow trout) | N/Av | None. |
| Glass Fiber | 65997-17-3 | > 1000 mg/L (Zebra fish) | N/Av | None. |
| sec-Butyl acetate | 105-46-4 | N/Av | N/Av | None. |
| para-Aramid fibrils | 24938-64-5 | N/Av | N/Av | None. |
| Allyl glycidyl ether (AGE) | 106-92-3 | 36 mg/L (common carp) | N/Av | None. |
| Lamp black | 1333-86-4 | > 1000 mg/L (Zebra fish) | N/Av | None. |

| <u>Ingredients</u> | <u>CAS #</u> | <u>Toxicity to Daphnia</u> | | |
|-------------------------------------|--------------|----------------------------------|------------------------|-----------------|
| | | <u>EC50 / 48h</u> | <u>NOEC / 21 day</u> | <u>M Factor</u> |
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | 1.1 - 2.8 mg/L (Daphnia magna) | 0.3 mg/L (Read-across) | None. |
| Glass Fiber | 65997-17-3 | > 1000 mg/L (Daphnia magna) | N/Av | None. |
| sec-Butyl acetate | 105-46-4 | N/Av | N/Av | None. |
| para-Aramid fibrils | 24938-64-5 | N/Av | N/Av | None. |
| Allyl glycidyl ether (AGE) | 106-92-3 | 50 mg/L (Daphnia magna) | N/Av | None. |
| Lamp black | 1333-86-4 | > 5600 mg/L/24hr (Daphnia magna) | N/Av | None. |

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| <u>Ingredients</u> | <u>CAS #</u> | <u>Toxicity to Algae</u> | | |
|-------------------------------------|--------------|---|-----------------------------|-----------------|
| | | <u>EC50 / 96h or 72h</u> | <u>NOEC / 96h or 72h</u> | <u>M Factor</u> |
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | 9.4 mg/L/72hr (Green algae) (Read-across) | 2.8 mg/L/72hr (Read-across) | None. |
| Glass Fiber | 65997-17-3 | > 1000 mg/L/72hr (Green algae) | ≥ 1000 mg/L/72hr | None. |
| sec-Butyl acetate | 105-46-4 | N/Av | N/Av | None. |
| para-Aramid fibrils | 24938-64-5 | N/Av | N/Av | None. |
| Allyl glycidyl ether (AGE) | 106-92-3 | 79 mg/L/72hr (Green algae) | 20 mg/L/72hr | None. |
| Lamp black | 1333-86-4 | > 10 000 mg/L/72hr (Green algae) | N/Av | None. |

Persistence and degradability

: The product itself has not been tested.

Bioaccumulation potential

: The product itself has not been tested. See the following data for ingredient information.

| <u>Components</u> | <u>Partition coefficient n-octanol/water (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|--|--|--------------------------------------|
| Bisphenol A / epichlorohydrin resin (CAS 25068-38-6) | > 2.915 | 31 |
| sec-Butyl acetate (CAS 105-46-4) | 1.51 | |
| Allyl glycidyl ether (AGE) (CAS 106-92-3) | 0.46 | 3.16 |

Mobility in soil

: The product itself has not been tested.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. DISPOSAL CONSIDERATIONS**Handling for Disposal**

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal








: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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SECTION 14. TRANSPORT INFORMATION

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|--|--|----------------------------|---------------|---|
| ICAO/IATA | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin) | 9 | III |   |
| ICAO/IATA Additional information | Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material. | | | | |
| 49CFR/DOT | None. | Not regulated. | not regulated | none |  |
| 49CFR/DOT Additional information | None. | | | | |
| TDG | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin) | 9 | III |   |
| TDG Additional information | This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99. | | | | |
| IMDG | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin) | 9 | III |   |
| IMDG Additional information | May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material. | | | | |

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

| <u>Ingredients</u> | CAS # | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical | |
|-------------------------------------|------------|----------------|---|--|---|--------------------------|
| | | | | | Toxic Chemical | de minimus Concentration |
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | Yes | None. | None. | No | N/Ap |
| Glass Fiber | 65997-17-3 | Yes | None. | None. | No | N/Ap |
| sec-Butyl acetate | 105-46-4 | Yes | 5000 lb final RQ (listed under Butyl acetate); 2270 kg final RQ (listed under Butyl acetate) | N/Av | No | NS |
| para-Aramid fibrils | 24938-64-5 | NL | N/Ap | N/Av | No | NS |
| Allyl glycidyl ether (AGE) | 106-92-3 | Yes | None. | None. | No | N/Ap |
| Lamp black | 1333-86-4 | Yes | None. | None. | No | N/Ap |

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SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Skin sensitization; Reproductive toxicity; Germ cell mutagenicity; Carcinogenicity.

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

| <u>Ingredients</u> | CAS # | California Proposition 65 | | State "Right to Know" Lists | | | | | |
|-------------------------------------|------------|---------------------------|---|-----------------------------|-----|-----|-----|-----|-----|
| | | Listed | Type of Toxicity | CA | MA | MN | NJ | PA | RI |
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | No | N/Ap | No | No | No | No | No | No |
| Glass Fiber | 65997-17-3 | No | N/Ap | No | No | Yes | No | No | No |
| sec-Butyl acetate | 105-46-4 | No | N/Ap | Yes | Yes | Yes | Yes | Yes | Yes |
| para-Aramid fibrils | 24938-64-5 | No | N/Ap | No | No | No | No | No | No |
| Allyl glycidyl ether (AGE) | 106-92-3 | No | N/Ap | Yes | Yes | Yes | Yes | Yes | Yes |
| Lamp black | 1333-86-4 | Yes | Cancer (airborne, unbound particles of respirable size) | Yes | Yes | Yes | Yes | Yes | Yes |

California Proposition 65: This product contains chemicals known to the State of California to cause cancer and/or developmental harm.

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

| <u>Ingredients</u> | CAS # | European EINECs | Australia AICS | Philippines PICCS | Japan ENCS | Korea KECI/KECL | China IECSC | NewZealand IOC |
|-------------------------------------|------------|-----------------|----------------|-------------------|--------------------|-----------------|-------------|---|
| Bisphenol A / epichlorohydrin resin | 25068-38-6 | 500-033-5 | Present | Present | (7)-1283 | KE-24000 | Present | HSR003180 |
| Glass Fiber | 65997-17-3 | 266-046-0 | Present | Present | (1)-189 | KE-17630 | Present | May be used as a single component chemical under an appropriate group standard. |
| sec-Butyl acetate | 105-46-4 | 203-300-1 | | | (2)-735; (2)-731 | KE-04178 | Present | HSR001093 |
| para-Aramid fibrils | 24938-64-5 | N/Av | | Present | | | Present | |
| Allyl glycidyl ether (AGE) | 106-92-3 | 203-442-4 | Present | Present | (2)-393 | KE-29751 | Present | HSR002897 |
| Lamp black | 1333-86-4 | 215-609-9 | Present | Present | (5)-3328; (5)-5222 | KE-04682 | Present | HSR002801 |

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations

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CSA: Canadian Standards Association
DOT: Department of Transportation
EC50: Effective Concentration 50%
EINECS: European Inventory of Existing Commercial chemical Substances
ENCS: Existing and New Chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IBC: Intermediate Bulk Container
IECSC: Inventory of Existing Chemical Substances
IMDG: International Maritime Dangerous Goods
IOC: Inventory of Chemicals
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, (Chempendium, HSDB and RTECs).
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

Preparation Date (mm/dd/yyyy)

: 04/26/2021

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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|--|--|
| <p><u>Prepared for:</u> Beacon Adhesives 125 Macquesten Parkway South Mount Vernon, NY 10550 Telephone: (914) 699 3400</p> | |
| <p><u>Prepared by:</u> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p> |  |

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