



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs in accordance with the requirements of the OSHA Hazard Communication Standard in order to assist our customers in their compliance efforts. We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Compliance Services

Zep Inc.

SILICONE CONFORMAL COATING

422B-AEROSOL

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: Silicone Conformal Coating**SDS Code:** 422B-Aerosol**Related Part #** 422B-340G

Recommended Use and Restriction on Use

Use: Conformal coating for printed circuit boards and electronic components**Uses Advised Against:** Not available

Details of Manufacturer or Importer

Manufacturer

MG Chemicals
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA

MG Chemicals (Head Office)
9347-193 Street
Surrey, British Columbia V4N 4E7
CANADA

☎ +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** support@mgchemicals.com**WEB** www.mgchemicals.com**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** info@mgchemicals.com**E-MAIL** (Competent Person): sds@mgchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY—leaks, spills, fires, exposures or accidents
USA or CANADA: Call CHEMTREC ☎: **+1-800-424-9300**

For emergencies involving dangerous goods; Collect 24/7




CANADA: Call CANUTEC ☎: **+1-613-996-6666** or ***666** on cellular phones

SILICONE CONFORMAL COATING
422B-AEROSOL
Section 2: Hazard(s) Identification
Classification of Hazardous Chemical
GHS Categories

| Criteria | Category | Signal Word | Pictograms |
|--|---------------|-------------|--------------|
| Flammable Aerosol | 1 | Danger | Flame |
| Gas under pressure | Liquefied gas | Warning | Gas cylinder |
| Aspiration Hazard | 1 | Danger | Health |
| Carcinogenicity | 2 | Warning | Health |
| Eye irritation | 2 | Warning | Exclamation |
| Skin irritation | 2 | Warning | Exclamation |
| Specific Target Organ Toxicity Single Exposure | 3 | Warning | Exclamation |
| Environmental Hazard Acute Aqua. Tox. | 3 | none | none |


Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

Label Elements

| | |
|---|---|
| Signal Word | DANGER |
| Pictograms | Hazard Statements |
|  | H222: Extremely flammable aerosol |
|  | H280: Contains gas under pressure; may explode if heated |
|  | H304: May be fatal if swallowed and enters airways H351: Suspected of causing cancer |

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL***Continued...*

|  | H319: Causes serious eye irritation H315: Causes skin irritation H335 + H336: May cause drowsiness, dizziness, and respiratory irritation |
|---|---|
| <i>None mandated</i> | H402: Harmful to aquatic life |
| Prevention | Precautionary Statements |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking. |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P261 | Avoid breathing mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P280 | Wear protective gloves/eye protection. |
| P264 | Wash hands and exposed skin thoroughly after handling. |
| P273 | Avoid release to the environment. |

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL***Continued...*

| Response | Precautionary Statements |
|--------------------|--|
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
| P301 + 310 | IF SWALLOWED: Immediately call a Poison Center/doctor. |
| P331 | Do NOT induce vomiting. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| Storage | Precautionary Statements |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. |
| P403 | Store in well-ventilated place. |
| P405 | Store locked up. |
| Disposal | Precautionary Statements |
| P501 | Dispose of contents/container in accordance to local/regional/international regulations. |

Hazards Not Otherwise Classified

| Other Criteria | Hazard Statements/Precautionary Statement | Signal Word | Pictograms |
|-----------------------|---|--------------------|-------------------|
| Defats skin | Repeated exposure may cause skin dryness or cracking. | None | None |

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 3: Composition/Information on Ingredients**

| CAS # | Chemical Name | %(weight) |
|-----------|------------------------|-----------|
| 115-10-6 | dimethyl ether | 36% |
| 67-64-1 | acetone | 21% |
| 1330-20-7 | xylene (mixed isomers) | 20% |
| 78-93-3 | butan-2-one | 13% |
| 100-41-4 | ethylbenzene | 2% |

Section 4: First-Aid Measures

| <i>Exposure Condition</i> | <i>GHS Code/Symptoms/Precautionary Statements</i> |
|---------------------------|--|
| IF SWALLOWED | P301 + P310, P331, P308 + P313 |
| Immediate Symptoms | <i>abdominal pain, burning sensation, nausea, headaches, dizziness, drowsiness, vomiting</i> |
| Response | Immediately call a Poison Center/doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention. |
| IF INHALED | P304 + P340, P312, P308 + P313 |
| Immediate Symptoms | <i>cough, irritation of the respiratory track, dizziness, drowsiness, headaches, (in extreme exposure cases: nausea, unconsciousness)</i> |
| Response | Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention. |
| IF ON SKIN | P302 + P352, P332 + P313, P362 + P364, P308 + P313 |
| Immediate Symptoms | <i>redness, irritation, dry skin</i> |
| Response | Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice/attention. |

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL**

| | |
|-------------------|---------------------------------|
| IF IN EYES | P305 + P351 + P338, P337 + P313 |
|-------------------|---------------------------------|

| | |
|---------------------------|----------------------------------|
| Immediate Symptoms | <i>irritation, redness, pain</i> |
|---------------------------|----------------------------------|

| | |
|-----------------|--|
| Response | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|-----------------|--|

If eye irritation persists: Get medical advice/attention.

Section 5: Fire-Fighting Measures

| | |
|----------------------------|--|
| Extinguishing Media | Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish. |
|----------------------------|--|

Use water spray to cool containers.

| | |
|-------------------------|--|
| Specific Hazards | The vapors are heavier than air and may accumulate in low-lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion. |
|-------------------------|--|

| | |
|----------------------------|--|
| Combustion Products | Produces carbon oxides (CO, CO ₂). |
|----------------------------|--|

| | |
|---------------------|---|
| Fire-Fighter | Wear self-contained breathing apparatus and full fire-fighting turn-out gear. |
|---------------------|---|

Section 6: Accidental Release Measures

| | |
|----------------------------|---|
| Personal Protection | See personal protection recommendations in Section 8. |
|----------------------------|---|

| | |
|---------------------------------|--|
| Precautions for Response | Avoid breathing the mist/spray/vapors. Remove or keep away all sources of extreme heat or open flames. |
|---------------------------------|--|

| | |
|----------------------------------|---|
| Environmental Precautions | Avoid releasing to the environment. Prevent spill from entering drains and waterways. |
|----------------------------------|---|

| | |
|----------------------------|----------------|
| Containment Methods | Not applicable |
|----------------------------|----------------|

| | |
|-------------------------|---|
| Cleaning Methods | Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue. |
|-------------------------|---|

| | |
|-------------------------|---|
| Disposal Methods | Dispose of spill waste according to Section 13. |
|-------------------------|---|

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 7: Handling and Storage****Prevention**

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Do not pierce or burn, even after use.

Handling

Do not spray on an open flame or other ignition source.

Wear protective gloves/clothing/eye protection.

Take off contaminated clothing and wash it before reuse.

Wash hands and exposed skin thoroughly after handling.

Avoid release to the environment.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].

Store in well ventilated place.

Store locked up.

Section 8: Exposure Controls/Personal Protection**Substances with Occupational Exposure Limit Values**

| Chemical Name | Country/ Provinces | Long Term Exposure Limits (PEL) | Short Term Exposure Limits (STEL) |
|----------------|--|---|---|
| dimethyl ether | ACGIH U.S.A. WEEL Canada AB Canada BC Canada ON Canada QC | Not established 1 000 ppm Not established 1 000 ppm Not established Not established Not established | Not established Not established Not established Not established Not established Not established Not established |

Section continued on the next page

SILICONE CONFORMAL COATING
422B-AEROSOL
Continued...

| Chemical Name | Country/ Provinces | Long Term Exposure Limits (PEL) | Short Term Exposure Limits (STEL) |
|---------------------------|--|--|--|
| acetone | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 500 ppm 1 000 ppm 500 ppm 250 ppm 500 ppm 750 ppm | 750 ppm Not established 750 ppm 500 ppm 750 ppm 1 000 ppm |
| xylene (mixed isomers) | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 100 ppm 100 ppm 500 ppm 100 ppm 100 ppm 100 ppm | Not established 150 ppm 150 ppm 150 ppm 150 ppm 150 ppm |
| butan-2-one | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 200 ppm 200 ppm 200 ppm 50 ppm 200 ppm 50 ppm | 300 ppm Not established 300 ppm 100 ppm 300 ppm 100 ppm |
| ethylbenzene | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 100 ppm 100 ppm 150 ppm 20 ppm 100 ppm 100 ppm | Not established 125 ppm 200 ppm Not established 125 ppm 125 ppm |

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS² database and data from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

Engineering Controls
Ventilation

Keep airborne concentrations below the occupational exposure limits (OEL).

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL****Personal Protective Equipment****Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

Recommendation: Ensure that glasses have side shields for lateral protection.

Skin Protection

For likely contacts, use of protective butyl rubber, fluorinated rubber, or other chemically resistant gloves.

For incidental contacts, neoprene or other chemically resistant gloves.

Respiratory Protection

For over-exposures up to 10 x OEL of mist/vapors/spray, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

RECOMMENDATION: Consult your local safety supply store to ensure your respirator has filter cartridges appropriate for the ingredients listed in section 3 of this SDS, and that the respirator is fitted to the employee by a professional.

General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 9: Physical and Chemical Properties**

| | | | |
|------------------------------------|------------------------|--|--------------------------|
| Physical State | Liquid | Lower Flammability Limit ^{a)} | 1% |
| Appearance | Clear | Upper Flammability Limit ^{a)} | 27% |
| Odor | Ethereal | Vapor Pressure @21 °C | Not available |
| Odor Threshold | Not available | Vapor Density | ≥2 (Air =1) |
| pH | Not available | Specific Gravity @25 °C | 0.85 |
| Freezing/Melting Point | Not available | Solubility in Water | Partially soluble |
| Boiling Point ^{a)} | -24.8 °C [-12.6 °F] | Partition Coefficient | Not available |
| Flash Point ^{a)} | -41 °C [-42 °F] | Auto-ignition Temperature ^{b)} | ≥240 °C [≥464 °F] |
| Evaporation Rate | Fast | Decomposition Temperature | Not available |
| Flammability (solid, gas) | Not available | Viscosity @40 °C | <20.5 mm ² /s |

a) Values for flash point and other threshold based on dimethyl ether

b) Values for based on the component with the lowest auto-ignition value

Section 10: Stability and Reactivity

| | |
|----------------------------|--|
| Reactivity | Not available |
| Chemical Stability | Chemically stable at normal temperatures and pressures |
| Conditions to Avoid | Ignition sources, open flames, temperatures above 50 °C [122 °F], and incompatible substances |
| Incompatibilities | Oxidizing agents, strong acids, strong bases |
| Polymerization | Will not occur |
| Decomposition | Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5. |

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 11: Toxicological Information****Routes of Exposure**

Eye contact, Ingestion, Inhalation, and Skin contact

Symptoms Summary

| | |
|-------------------|---|
| Eyes | May cause redness, eye irritation, and pain. |
| Skin | May cause skin redness, irritation, and dry skin. |
| Inhalation | May cause cough, respiratory irritation, drowsiness, dizziness, headaches, nausea, or unconsciousness. |
| Ingestion | May cause abdominal pain and burning sensation (see also inhalation symptoms). |
| Chronic | Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin. Ethylbenzene is a possibly carcinogen according to IARC. |

Acute Toxicity (Lethal Exposure Concentrations)

| Chemical Name | LD50 oral | LD50 dermal | LC50 inhalation |
|----------------------|----------------------|----------------------------|--------------------------------------|
| dimethyl ether | Not available | Not available | 308 g/m ³ Rat |
| acetone | 5 800 mg/kg Rat | >9 400 µL/kg Guinea pig | 44 g/m ³ 4 h Rat |
| xylene | 4 350 mg/kg Rat | >1 700 mg/kg Rabbit | 5 000 ppm 4 h Rat |
| butan-2-one | 2 737 mg/kg Rat | 6 480 mg/kg Rabbit | 23 500 mg/m ³ 8 h Rat |
| ethylbenzene | 3 500 mg/kg Rat | >5 000 mg/kg Rabbit | 35 500 mg/m ³ 2h Mouse |

Note: Toxicity data from the RTECS² and ECHA databases were consulted. The data from supplier (M)SDS were also consulted.

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL****Other Toxicological Effects****Skin corrosion/irritation**

The xylene component is a known severe skin irritant.

Serious eye damage/irritation

Acetone, butan-2-one, and ethylbenzene cause serious eye irritation.

Sensitization
(allergic reactions)

Based on available data, the classification criteria are not met.

Carcinogenicity
(risk of cancer)**Ethylbenzene [CAS# 64-17-5]**

IARC Group 2B: Possibly carcinogenic to humans

ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans

CA Prop 65: Listed as a carcinogen

NTP: Not listed

Mutagenicity
(risk of heritable genetic effects)

Based on available data, the classification criteria are not met.

Reproductive Toxicity
(risk to sex functions)

Based on available data, the classification criteria are not met.

Teratogenicity
(risk of fetus malformation)

Based on available data, the classification criteria are not met.

STOT-single exposure

Inhalation of acetone, butan-2-one, xylene, and ethylbenzene may cause transient central nervous system effects. Xylene and ethylbenzene may further cause transient respiratory irritation.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

There is more than 10% category 1 components, and the kinematic viscosity is less than 20.5 mm²/s; therefore, this is a cat 1 aspiration hazard.

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 12: Ecological Information**

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

Xylene isomers mixture are expected to be a biodegradable acute category 2 environmental toxicant with minimal LC50 96 h of 2.5 mg/L for *Oncorhynchus mykiss* (rainbow trout); EC50 48 h of >1 mg/L *Daphnia magna* (water flea); EC50 72 h of 3.2 mg/L for *Selenastrum capricornutum*.

Ethylbenzene is an acute category 2 environmental toxicant with minimal LC50 96 h of 4.3 mg/L for *Marone saxatilis* (striped bass); 2.2 mg/L 48 h *Daphnia magna* (water flea); EC50 96 h of 4.2 mg/L for *Selenastrum capricornutum* (algae).

Acetone and butan-2-one are not classifiable as an environmental toxicant (with minimal LC50 of >100 mg/L).

- Acetone has a minimal LC50 96 h of 5 540 mg/L for *Oncorhynchus mykiss* (rainbow trout); 13 500 mg/L 24 h *Daphnia magna* (water flea).
- The butan-2-one has minimal LC50 96 h of 3 130 mg/L for *Pimephales promelas* (fathead minnow); EC50 24 h 5 102 mg/L 24 h *Daphnia magna* (water flea).

Acute Ecotoxicity

Category 3

Harmful to aquatic life.

Avoid release to the environment.

Chronic Ecotoxicity

Based on available data, the classification criteria are not met.

Biodegradability

Solvent system is readily biodegradable.

Other Effects

Actual VOC (Volatile Organic Compounds) content according to the US (EPA) and Canadian (CEPA) authorities.

Actual VOC = 70% [599 g/L]

Section 13: Disposal Information

Dispose of contents in accordance with all local, regional, national, and international regulations.

SILICONE CONFORMAL COATING

422B-AEROSOL

Section 14: Transport Information

Ground

Refer to TDG regulations (Canadian Transportation of Dangerous Goods regulations);
USA CFR 49 Regulations (Parts 100 to 185).

Sizes 1 L and under

Limited Quantity



UN number: UN1950

Shipping Name: AEROSOL,
flammable

Class: 2.1

Packing Group: Not applicable

Marine Pollutant: No

Flash Point -17 °C [1.4 °F]

Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Sizes 1 L and under

Limited Quantity

Max Net Qty/Pkg
30 kg G



UN number: UN1950

Shipping Name: AEROSOL,
flammable

Class: 2.1

Packing Group: Not applicable

Marine Pollutant: No

Flash Point -17 °C [1.4 °F]



Sea

Refer to IMDG regulations.

Sizes 1 L and under

Limited Quantity



UN number: UN1950

Shipping Name: AEROSOL,
flammable

Class: 2.1

Packing Group: Not applicable

Marine Pollutant: No

Flash Point -17 °C [1.4 °F]

Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.

SILICONE CONFORMAL COATING**422B-AEROSOL****Section 15: Regulatory Information****Canada****WHMIS 1988 Classification**

A – Aerosol Container; B5 – Flammable Aerosols;

D2A – Very Toxic (Carcinogenicity);

D2B – Toxic Other (Eye Irritation; Skin Irritation)

Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)

All hazardous ingredients are listed on the DSL.

Industry and Science Canada

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

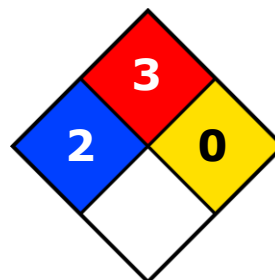
Health Canada

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling Regulations.

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SILICONE CONFORMAL COATING**422B-AEROSOL****USA****Other Classifications****HMIS[®] RATING**

| | |
|-----------------------------|------------|
| HEALTH: | * 2 |
| FLAMMABILITY: | 3 |
| PHYSICAL HAZARD: | 0 |
| PERSONAL PROTECTION: | |

NFPA[®] 704 CODES

Approximate HMIS and NFPA Risk Ratings Legend:

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product contains xylene (CAS# 1330-20-7), butan-2-one (CAS# 78-93-3), and ethylbenzene (CAS# 100-41-4), which is listed as hazardous air pollutants.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains xylene (CAS# 1330-20-7, reportable quantity = 100 lb) and ethylbenzene (CAS# 100-41-4), which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

This product contains acetone (CAS# 67-64-1) and butan-2-one (CAS# 7128-64-5), which are subject to the CERCLA reporting requirements at the 5000 lb (2268 kg) threshold.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).

This product contains ethylbenzene, which is listed as a carcinogen.

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL****Europe****RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

Section 16: Other Information

SDS Prepared by Michel Hachey

Date of Review 03 November 2015

Supersedes 07 May 2013

Reason for Changes: Correction to composition in Section 3, and compliance adjustments to meet both HCS 2012 and WHMIS 2015 regulations.

Reference

1) ACGIH 2013 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2013).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

Section continued on the next page

SILICONE CONFORMAL COATING**422B-AEROSOL****Abbreviations**

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists (USA) |
| ECHA | European Chemicals Agency |
| EU | European Union |
| EC50 | Half maximal effective concentration |
| EL50 | Half maximal effective loading |
| IARC | International Agency for Research on Cancer |
| NOELR | No observable effect loading ratio |
| NTP | National Toxicology Program |
| GHS | Globally Harmonized System of Classification of Labeling of Chemicals |
| LC50 | Lethal Concentration 50% |
| LCLo | Lowest published lethal concentration |
| LD50 | Lethal Dose 50% |
| OEL | Occupational Exposure Limit |
| PEL | Permissible Exposure Limit |
| SDS | Safety Data Sheet |
| STEL | Short-Term Exposure Limit |
| TCLo | Lowest published toxic concentration |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Content |

Technical Queries Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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