



## Material Safety Data Sheet

MSDS No. SPC-909  
Version: CA/US  
Issue Date: 04.01.2014  
Supersedes : 08.31.2012

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**Product Identifier:** SPC-909  
**Product Use:** Aircraft Coating Remover  
**Manufacturer/Supplier:** Sea To Sky Innovations Ltd.  
204-6741 Cariboo Rd  
Burnaby, BC  
V3N 4A3 Canada  
Emergency Phone No.: 604-420-7707  
**MSDS prepared by:** Technical Department  
Sea To Sky Innovations Ltd. 604-420-7707

### SECTION 2: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

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| <u>Component Name</u> | <u>CAS #</u> | <u>% by Wt.</u> | <u>LD50</u>                 | <u>LC50</u>          |
|-----------------------|--------------|-----------------|-----------------------------|----------------------|
| Benzyl Alcohol        | 100-51-6     | 30 - 60         | 1040 mg/kg (oral, rabbit)   | 8.8 mg/L (rat, 4h)   |
| Hydrogen Peroxide     | 7722-84-1    | 5 - 10          | 1517 mg/kg (oral, male rat) | N/AV                 |
| Petroleum Distillates | 64742-95-6   | 1 - 5           | >6900 mg/kg (oral, rat)     | >10.2 mg/L (rat, 4h) |

### SECTION 3: HAZARD IDENTIFICATION

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**Route (s) of Entry:** Inhalation, ingestion or skin/eye contact.

**Eye Contact:** May cause slight to moderate irritation. Signs/symptoms may include redness, swelling, discomfort and blurred vision.

**Skin Contact:** Harmful if in contact with skin. May cause mild irritation. Signs/symptoms may include localized numbness of the contacted area, may cause temporary whitening of the skin and itching/burning. Numbness is due to the impact of the alcohol mixture and its anesthetic properties.

**Inhalation:** Harmful if inhaled. High vapor/aerosol concentrations are irritating to the respiratory tract. Signs/symptoms may include coughing, headaches, hoarseness, dizziness, blurred vision, drowsiness, unconsciousness and other central nervous effects.

**Ingestion:** Harmful if swallowed. May cause lung inflammation and damage due to aspiration of material into lungs as well as gastrointestinal discomfort. Signs/symptoms may include abdominal pain, nausea, drowsiness, diarrhea and central nervous depression, respiratory problems, pulmonary edema.

**Medical Conditions Aggravated By Exposure:** Eye, skin, respiratory disorders, lung disorders.

Notice: Health studies have shown that exposure to chemicals pose potential health risks which may vary from person to person. Exposure to liquids, vapors, mists or fumes should always be minimized.

### SECTION 4: FIRST AID MEASURES

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#### FIRST AID PROCEDURES

The following first aid recommendations are based on the assumption that appropriate personal and industrial hygiene practices are followed.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 15 minutes. Get immediate medical attention if irritation persists. Wash contaminated clothing and clean shoes before reuse.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes and continue while en route to hospital, raising and lowering the eyelids occasionally. Get immediate medical attention if irritation persists.

**Inhalation:** Remove person to fresh air. Give oxygen if breathing is difficult. Qualified personnel should give artificial respiration if breathing has stopped.

**Ingestion:** Do not induce vomiting. Give victim several glasses of milk or water. Never give anything by mouth to an unconscious person. Get immediate medical attention.



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### SECTION 5: FIRE FIGHTING MEASURES

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|  |   |
|--|---|
| <b>Flammable:</b>                          | see flashpoint.   |
| <b>Extinguishing Media:</b>                | Dry chemical, foam, carbon dioxide, water fog   |
| <b>Special Procedures:</b>                 | Firefighters should wear full protective equipment and NIOSH approved self contained breathing apparatus. |
| <b>Flash Point:</b>                        | above 100 °C (PMCC) * see note below.   |
| <b>Flammable Limits – UEL:</b>             | N/AV  |
| <b>Flammable Limits – LEL:</b>             | N/AV  |
| <b>Autoignition temperature:</b>           | N/AV  |
| <b>Sensitivity to Impact:</b>              | No.   |
| <b>Sensitivity to Static Discharge:</b>    | No.   |
| <b>Hazardous Combustion Products:</b>      | Carbon monoxide, Carbon dioxide and other toxic fumes.  |
| <b>Unusual Fire and Explosion Hazards:</b> | May promote combustion as decomposition produces oxygen   |
| <b>NFPA Flammability Classification:</b>   | Non Flammable.  |

*\*Note: Water vapor from test sample smothers the flame thereby preventing ignition and flash point detection.*

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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#### Emergency Procedures:

Wear appropriate protective clothing, gloves, safety glasses, respiratory protection. Ventilate area of spill. Prevent spillage from entering natural waters. Spillage areas can be slippery therefore exercise caution around area.

**Accidental Release Measures:** Avoid discharge to the environment.

**For small spills:** Mop up or wipe up and dispose of in approved waste containers.

**For large spills:** Contain spill. Collect as much of the spilled material as possible.. Working from around the edges of the spill inward, cover with an absorbent material such as bentonite, vermiculite, or commercially available inorganic/non combustible absorbent material. Mix in sufficient absorbent until it appears dry. Place residue in an approved waste container approved for transportation by appropriate authorities. Seal the container. Clean up residue with soap and water. If local authorities permit, rinsates may be disposed of in sewers leading to a municipal or city treatment facility or an internal treatment facility.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

### SECTION 7: HANDLING AND STORAGE

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#### HANDLING

Use in well ventilated areas only. If indoor or insufficient ventilation, wear a NIOSH approved full face organic vapor cartridge respirator. Wear butyl rubber gloves and rubber apron. See section 8. Avoid contact with eyes, skin and breathing of vapors. Avoid contamination of the product. Do not mix with other chemicals. Avoid contact with oxidizing agents, acids and alkalis. Wash thoroughly after handling. Keep container closed.

#### STORAGE

Store in original container in a cool dry area well ventilated, out of direct sunlight. Avoid contamination of the unused product by foreign materials including tools and parts of the spraying equipment.

Storage Temperature: 0 – 45 °C

Shelf Life: 12 months from date of manufacture *Note: Frozen product may separate upon thawing. Extended storage above 45 °C may contribute to a shorter shelf life.*

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### Exposure Limits

|                       |   |                |
|-----------------------|---|----------------|
| Hydrogen Peroxide     | 1 ppm ACGIH TLV   | 1 ppm OSHA PEL |
| Petroleum Distillates | in absence of exposure limits for this material a value of 100 mg/m3 TWA (8h) EU HSPA was recommended |                |

#### ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation.



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### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Skin Protection

Solvent resistant gloves made from: Butyl rubber, Nitrile.

Solvent resistant clothing made from: Tyvec, rubber or neoprene. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

#### Respiratory Protection

Select a NIOSH/MSHA approved full face organic vapor respirator based on airborne concentration of contaminants and in accordance with OSHA regulations.

#### Eye/Face Protection

Splash proof safety glasses/goggles. An eye wash station should be in the area.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|   |                                       |
|---|---------------------------------------|
| Physical State:                             | Liquid                                |
| Appearance:                                 | Blue or white liquid.                 |
| Odor Threshold: and Odor:                   | Benzyl alcohol 5.55 ppm               |
| Specific Gravity:                           | Approximately 1.01 [Ref Std: WATER=1] |
| Vapor Density (air=1):                      | No Data Available.                    |
| Composite Solvent Partial Pressure (mm Hg): | <1                                    |
| Evaporation rate:                           | <1 [Ref. N-butyl acetate=1]           |
| Boiling Point:                              | Approximately 100 °C                  |
| Freezing Point:                             | Approximately 0 °C                    |
| pH:   | 6 - 8                                 |
| Solubility in Water:                        | Partially Miscible.                   |
| Coefficient of Water/Oil Distribution:      | Not Determined.                       |
| VOC Content (Calculated):                   | 70 g/L.                               |

### SECTION 10: STABILITY AND REACTIVITY

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|                                    |  |
|------------------------------------|--|
| Stability:                         | Stable.  |
| Materials and Conditions to Avoid: | Strong oxidizing agents, acids, reducing agents and alkalis/bases, elevated temperatures, freezing, contamination. |
| Hazardous Polymerization:          | Hazardous polymerization will not occur.   |
| Hazardous Decomposition Products:  | Oxygen.  |

### SECTION 11: TOXICOLOGICAL INFORMATION

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Effects of Acute Exposure: see section 3.

#### Effects of Chronic Exposure:

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

|                                       |  |
|---------------------------------------|--|
| Irritancy of Product:                 | Refer to section 2.                      |
| Skin Sensitization:                   | None known.                              |
| Respiratory Sensitization:            | None known.                              |
| Carcinogenicity:                      | No carcinogenic effects are anticipated. |
| Reproductive Effects:                 | No reproductive effects are anticipated. |
| Teratogenicity:                       | No teratogenic effects are anticipated.  |
| Embryotoxicity:                       | No embryotoxic effects are anticipated.  |
| Mutagenicity:                         | No mutagenic effects are anticipated.    |
| Name of Synergistic Products/Effects: | None known.                              |

Notice: Health studies have shown that exposure to chemicals pose potential health risks which may vary from person to person. Exposure to liquids, vapors, mists or fumes should always be minimized.

### SECTION 12: ECOLOGICAL INFORMATION

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|                                |   |
|--------------------------------|---|
| Aquatic Ecotoxicity:           | Fish, Fathead Minnow LC50, 7 day, >870 mg/L |
| Persistence and degradability: | Expected to be readily biodegradable.       |



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**Mobility:** High mobility in soil.  
**Environmental Fate:** This product is readily biodegradable and is not likely to bioconcentrate.  
**Bioaccumulative Potential:** Not expected to bioaccumulate.  
**Other Adverse Environmental Effects:** No data.

### SECTION 13: DISPOSAL CONSIDERATIONS

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#### General

Recover or recycle if possible. Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with. The information applies to the material as manufactured. Use or contamination may make the information inappropriate, inaccurate or incomplete. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose of into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water, .avoid discharge to natural waters.

Dispose of stripper residue and paint chips in vented plastic drums. Alternately, plastic lined vented metal drums. Waste containers should not be filled completely nor tightly sealed as wet paint chips have a tendency to expand and need a breathing period of 24-36 hours. Only fill waste drums to 75% volume. For unused and non-contaminated product, incinerate in a permitted hazardous waste incinerator/thermal destruction facility. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

### SECTION 14: TRANSPORT INFORMATION

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|                      | ADR (Road)     | RID (Rail)     | IMDG (Sea)     | IATA (Airplane) |
|----------------------|----------------|----------------|----------------|-----------------|
| UN No.               | Not applicable | Not applicable | Not applicable | Not applicable  |
| Class                | Not applicable | Not applicable | Not applicable | Not applicable  |
| Packaging Group      | Not applicable | Not applicable | Not applicable | Not applicable  |
| Proper Shipping Name | Not applicable | Not applicable | Not applicable | Not applicable  |

This product is not considered dangerous according to current regulations.

### SECTION 15: REGULATORY INFORMATION

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#### Canada

**WHMIS Class:** D2B

**DSL:** All materials are listed on the Canadian Domestic Substances List

**CPR COMPLIANCE:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

#### US Federal Regulations

This product is defined as hazardous as in 29 CFR 1910.1200

**TSCA** All materials in this product are listed in the TSCA Inventory

**CERCLA** This product contains no known materials which are reportable under CERCLA

**SARA 302/304** This product contains no known materials regulated under SARA 302/304

**SARA 311/312** Acute health, chronic health

**SARA 313** This product contains no known materials regulated under SARA 313

### SECTION 16: OTHER INFORMATION

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Revision Changes: Section 1 Information Update

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is drawn on data directly available to us and is believed to be correct as of the date issued. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of the product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising from out of or in any way connected with handling, storage, use or disposal of this product.