

Section 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Product Name:** SPC-909N
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance/the mixture**
Paint remover
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer: Sea to Sky Innovations Ltd.
204-6741 Cariboo Rd
Burnaby, BC
V3N 4A3 Canada
Tel: +1 604-420-7707
Fax: +1 604-420-7701
Email: info@sea2sky.ca
Internet: www.sea2skyglobal.com
- **1.4 Emergency telephone number**
+1 604-420-7707 (Available 7AM-5PM PST, Mon-Fri.)

Section 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to:**
Classification complies with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and is consistent with OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS.
- The following Hazard Statements are applicable only to the UN Regulations and not the US or Canada GHS: H313, H316, H412.

Acute Tox – inhalation	Category 4	H332: Harmful if inhaled.
Acute Tox – oral	Category 4	H302: Harmful if swallowed.
Acute Tox – dermal	Category 5	H313: May be harmful in contact with skin.
Skin Corrosion/Irritation	Category 3	H316: Causes mild skin irritation.
Eye Damage/Irritation	Category 2A	H319: Causes serious eye irritation.
Aquatic Chronic	Category 3	H412: Harmful to aquatic life with long lasting effects.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of the “General Classification guideline for preparations” in the latest valid version.
- **Classification System:**
The classification is according to the latest editions of the GHS and extended by company and literature data.
- **2.2 Label elements:**
- **Labeling according to UN Global Harmonized System and is consistent with OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS**
The product is classified and labeled according to the Global Harmonized System within the United States and Canada.
- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard determining components of labeling**
Benzyl alcohol, hydrogen peroxide solution, solvent naptha

Hazard statements

- H302: Harmful if swallowed.
- H313: May be harmful in contact with skin.
- H316: Causes mild skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing fumes/mist/vapors/spray.
- P271 Use only outdoors or in well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P312 Call a POISON CENTER/doctor/physician if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard Description

WHMIS Symbols

- D2B – Material causing other toxic effects.



NFPA Ratings (scale 0 – 4)

- Health=1
- Fire=1
- Reactivity=1

HMIS-ratings (scale 0 – 4)

- Health=1
- Fire=1
- Reactivity=1

2.3 Other hazards Results of PBT and vPVB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

Section 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:		
CAS: 100-51-6 EC: 202-859-9	Benzyl alcohol ⚠ Acute Tox. 4: H332; ⚠ Acute Tox. 4: H302; ⚠ Acute Tox. 5: H303	10-50%
CAS: 7722-84-1 EC: 231-765-0	Hydrogen peroxide solution % ⚠ Oxid. Liquid 1 H271, ⚠ Skin Corr. 1A: H314; ⚠ Acute Tox. 4: H332; ⚠ Acute Tox. 4: H302; ⚠ Acute Tox. 5: H313 ⚠ Eye Damage 1 H318, ⚠ STOT SE 3: H335, ⚠ Aquatic Chronic 3: H412	1-8%
CAS: 64742-95-6 EC: 265-199-0	Solvent naptha, light aromatic ⚠ Flam. Liq. 3: H226; ⚠ Acute Tox. 5: H303; ⚠ Skin Irrit. 2: H315, ⚠ Asp. Tox. 1: H304; ⚠ STOT SE 3: H335; ⚠ Aquatic Chronic 2: H411	1-5%
CAS: 7732-18-5 EC: 231-791-2	Water	10-50%

NOTE: The Hazard Classifications listed in this section refer to the chemical at a pure concentration.

- SVHC: Not Applicable
- Additional information: For the wording of the listed risk phrases refer to section 16.

Section 4: First aid measures

4.1 Description of first aid measures

- **General information:** Seek medical treatment in case of complaints.

- **After inhalation:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Give oxygen if breathing is difficult.

Qualified personnel should give artificial respiration if breathing has stopped.

- **After skin contact:**

IF ON SKIN: Wash with plenty of soap and water.

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.

- **After eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention.

- **After swallowing:**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell. Do not induce vomiting. Rinse mouth. Give victim several glasses of milk or water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- **Eye contact:** Redness, swelling, discomfort and blurred vision.

- **Skin contact:** Localized numbness of the contacted area, may cause temporary whitening of the skin and itching/burning.

- **Inhalation:** Coughing, wheezing, headaches, hoarseness, dizziness, blurred vision, drowsiness, unconsciousness. Overexposure may cause CNS depression. If material enters lungs, other symptoms may include difficulty in breathing, shortness of breath.

- **Ingestion:** Abdominal pain, nausea, drowsiness, diarrhea, respiratory problems (difficulty in breathing, shortness of breath). Potential aspiration of material into lungs may cause lung inflammation/damage, CNS depression, pulmonary edema and gastrointestinal discomfort.

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.

- **Hazards**

Harmful if inhaled.

Harmful if swallowed.

May be harmful in contact with skin.

Causes serious eye irritation.

Causes mild skin irritation.

- **4.3 Indication of any immediate medical attention and special treatment needed**

Advice to physician: Potential for chemical pneumonitis. Consider gastric lavage with protected airway.

Section 5: Fire-fighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:** Dry chemical, alcohol or polymer foam, carbon dioxide, water fog (to cool).

Non-flammable. Due to the large amount of water contained in the product, it may be combustible only after partial or complete dehydration.

- **5.2 Special hazards arising from the substance or mixture**

May produce toxic fumes on combustion.

- **5.3 Advice for fire-fighters**

- **Protective equipment:**

Wear full protective equipment.

Wear self contained breathing apparatus.

Section 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing, gloves, safety glasses, respiratory protection (if necessary).

Ensure adequate ventilation.

Spillage areas can be slippery therefore exercise caution around area.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material such as bentonite, vermiculite, or commercially available inorganic/non combustible absorbent material.

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

Section 7: Handling and storage

7.1 Precautions for safe handling

Do not breathe vapors. Avoid breathing mists/vapor/spray.

Do not get in eyes, on skin or clothing. Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only in well-ventilated areas.

Information about fire – and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep out of reach of children.

Store in original container in a cool, well ventilated area.

Protect from heat and direct sunlight.

Protect from freezing.

Storage temperature: 0 – 45 °C.

Information about storage in one common storage facility:

Store away from foodstuffs

Store away from oxidizing agents, acids, reducing agents and alkalis.

Further information about storage conditions:

Keep container closed when not in use.

Avoid contamination of the product and do not mix with other chemicals.

Avoid contact with oxidizing agents, acids, reducing agents and alkalis.

Avoid contamination of the unused product by foreign materials including tools and parts of the spraying equipment if used.

7.3 Specific end use(s) No further relevant information available.

Section 8: Exposure Controls/personal protection

Additional information about design of technical facilities: No further data, see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

Hydrogen peroxide solution

TWA (8h) – US 1 ppm, 1.4 mg/m³, OSHA, ACGIH

TWA (8h) – UK 1 ppm, 1.4 mg/m³

STEL - UK 2 ppm, 2.8 mg/m³

Solvent naptha, light arom

TWA (8h) US in absence of exposure limits for this material a value of 100 mg/m³ TWA (8h) EU HSPA is recommended

TWA (8h) - UK 25 ppm, 150 mg/m³

DNELs: No further relevant information available.

PNECs: No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Use only in well ventilated areas or with appropriate local exhaust ventilation.

8.2.2 Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale fumes/mists.

Do not get in eyes, on skin or on clothing.

Keep away from foodstuffs, beverages and feed.

Wash hands and skin thoroughly after handling.

Eye protection:



Safety glasses/Splash goggles

Body protection: Protective work clothing.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber, Nitrile

Respiratory protection:



Organic vapor cartridge respirator

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device when high concentrations are present.

Use suitable respiratory protective device when aerosol or mist is formed.

For spills, respiratory protection may be advisable.

EN approved organic vapor cartridge respirator should be used.

Limitation and supervision of exposure into the environment

No further relevant information available.

Risk management measures

See Section 7 for additional information.

No further relevant information available.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Liquid

Color:

Blue

Odor:

Aromatic

Odor threshold:

5.55 ppm (benzyl alcohol)

pH-value:

6 - 8

Change in condition

Freezing point:

approximately 0°C (32°F)

Boiling point/Boiling range:

approximately 100°C (212°F)

Flash point:

above 100°C (212°F) (PMCC) * see note below.

Flammability (solid, gaseous):

Not applicable.

Auto/Self-ignition temperature:

Not determined.

Decomposition temperature:

Not determined.

Self-igniting:

Product is not self-igniting.

Danger of explosion:

Product does not present an explosion hazard.

- **Flammability limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure at 20°C:** Not determined.
- **Density at 20°C:** 1.01 g/cm³
- **Relative density at 20°C:** 1.01
- **Vapor density:** <1
- **Evaporation rate:** <1 [BuAC=1]
- **Solubility in / Miscibility with water:** partially miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** 3,000 – 12,000 cPs (mPas)
- **Oxidizing properties:** Non-oxidizing (EC criteria).

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

- **9.2 Other information** The physical data presented are typical values and should not be construed as specifications.

Section 10: Stability and reactivity

- **10.1 Reactivity**
No specific test data related to reactivity available for this product or its ingredients.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to the specifications.
- **10.3 Possibility of hazardous reactions**
Releases oxygen on contact with alkalis, metals or any sort of contamination.
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
Avoid contamination of the product and do not mix with other chemicals.
Avoid contact with oxidizing agents, acids, reducing agents and alkalis.
- **10.5 Incompatible materials:**
Strong oxidizing agents, acids, reducing agents, chromates, alkalis/bases.
- **10.6 Hazardous decomposition products:**
In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

Section 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	LD50	1230 mg/kg (rat)
Dermal	ATE	2500 mg/kg
Inhalative	ATE	11 mg/L
64742-95-6 Solvent naptha, light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	ATE	2500 mg/kg
7722-84-1 Hydrogen peroxide solution		
Oral	LD50	1193 mg/kg (35% solution) (rat)
Dermal	LD50	4060 mg/kg (35% solution) (rat)
Inhalative	ATE	11 mg/L

- **Primary irritant effect:**
- **On the skin:** May be irritating to the skin.
- **Sensitisation:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

Inhalation can lead to coughing, wheezing, headaches, hoarseness, dizziness, blurred vision, drowsiness, unconsciousness. Overexposure may cause CNS depression. If material enters lungs, other symptoms may include difficulty in breathing, shortness of breath.

• **Acute effects:**

- Harmful if inhaled.
- Harmful if swallowed.
- May be harmful in contact with skin.
- Causes mild skin irritation.
- Causes serious eye irritation.

• **Repeated dose toxicity** Not determined.

• **Carcinogenic categories:**

Product/Ingredient name	ACGIH Carcinogen	IARC Carcinogen	NTP Carcinogen	OSHA Carcinogen (Specifically Regulated)
Hydrogen peroxide	A3	3	-	-

Carcinogen Classification Code:
ACGIH: A1, A2, A3, A4, A5
IARC: 1, 2A, 2B, 3, 4
NTP: Proven, Possible
OSHA: +
Not listed or regulated as a carcinogen.

• **Mutagenicity** Not determined.

• **Toxicity for reproduction** Not determined.

Section 12: Ecological information

• **12.1 Toxicity**

- **Aquatic acute toxicity:** Fish, Fathead Minnow LC50, 7 day, >870 mg/L (Not classified)
- **Aquatic chronic toxicity:** Hazard Category 3 Harmful to aquatic life with long lasting effects.
- **12.2 Persistence and degradability:** Readily biodegradable (Closed bottle test).

• **12.3 Bioaccumulative potential:** Not determined.

• **12.4 Mobility in soil:** Not determined.

• **Additional ecological information:**

• **General notes:**

Do not allow product to reach ground water, water course or sewage system.

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

Section 13: Disposal considerations

• **13.1 Waste treatment methods**

Recommendation Disposal should be in accordance with applicable regional, national and local laws and regulations. The information applies to the material as manufactured.

General: Collect stripper residue and paint chips and place 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. Since regulations vary, consult applicable regulations or authorities before disposal.

Material disposal: Do not dispose of into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water. Dispose of waste product in a permitted hazardous waste facility. 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.

• **Uncleaned packaging:**

• **Recommendation:** Disposal must be made according to official regulations.

Section 14: Transport information

• **14.1 UN number**

• **ADR, AND, IMDG, IATA**

Not Regulated.

- **14.2 UN proper shipping name**
ADR, AND, IMDG, IATA Not Regulated.
- **14.3 Transport hazard class(es)**
ADR, AND, IMDG, IATA
- **Class** Not Regulated.
- **14.4 Packing group**
ADR, AND, IMDG, IATA Not Regulated.
- **14.5 Environmental hazards:**
Marine pollutant: No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II or MARPOL 73/78 and the IBC code** Not applicable.
- **Transport/Additional Information**
- **ADR**
- **Limited quantities (LQ)** Not applicable.
- **UN "Model Regulation":** -

Section 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed or exempted.

Canadian Ingredient Disclosure List (limit 0.1%): None of the ingredients are listed.

Canadian Ingredient Disclosure List (limit 1%): benzyl alcohol 100-51-6, hydrogen peroxide 7722-84-1

WHMIS Class: D2B

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

CERCLA RQ: None of the ingredients are listed.

SARA 302/304: None of the ingredients are listed.

SARA 311/312: Acute health, chronic health.

SARA 313 (specific toxic chemical listings): None of the ingredients are listed.

SARA 355 (extremely hazardous substances): None of the ingredients are listed.

TSCA Inventory: All materials in this product are listed or exempted.

Proposition 65 (California): None of the ingredients are listed.

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

- **Other regulations, limitations and prohibitive regulations.**

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

- **Substances of very high concern (SVHC) according to REACH, Article 57:**
None of the ingredients are listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out for this mixture or substance.

Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H226: Flammable liquid and vapor.

H271: May cause fire or explosion: strong oxidizer.
H290: May be corrosive to metals.
H302: Harmful if swallowed.
H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H313: May be harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H316: Causes mild skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 5: Acute toxicity, Hazard Category 5
Skin Corr. 1A: Skin corrosion/ irritation, Hazard Category 1
Skin Corr. 1B: Skin corrosion/ irritation, Hazard Category 1
Eye Dam. 1: Eye damage/ irritation, Hazard Category 1
Eye Dam. 2: Eye damage/ irritation, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Skin Irrit. 2: Skin Irritant, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment – Chronic hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment – Chronic hazard, Category 3
Oxid. Liquid 1: Oxidizing Liquid, Hazard Category 1
Met. Corr. 1: Corrosive to metals, Hazard Category 1

• **Revision changes:** Section 1/2/3/4/7/8/9/11/12/16.
• **Prepared by:** Technical Department

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