



## SAFETY DATA SHEET

*This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.*

### 1. Product and Supplier Identification

- 1.1 **Product:** Coghlan's Airstop 8880
- 1.2 **Other Means of Identification:** Repair adhesive
- 1.3 **Product Use:** Repairing any Poly Vinyl Chloride (PVC) Material
- 1.4 **Restrictions on Use:** None known
- 1.5 **Producer:** Coghlan's Ltd.,  
121 Irene Street,  
Winnipeg, Manitoba  
Canada, R3T 4C7
- Telephone:** +1(204) 284-9550  
**Facsimile:** +1(204) 475-4127
- Supplier:** As above
- 1.6 **Emergencies:** +1(877) 264-4526

### 2. Hazards Identification

#### 2.1 Classification of product or mixture

This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients, if any, do NOT exhibit any health effects not listed in this SDS.

**GHS Classification:** Flammable Liquid, Category 2  
Acute Toxicity, Inhalation, Category 4  
Eye Damage/Irritation, Category 2A  
Specific Target Organ Toxicity, Single Exposure (inhalation),  
Category 3, Respiratory Tract

#### 2.2 GHS Label Elements, including precautionary statements

**Pictogram:**



**Signal Word:** Danger

**GHS Hazard Statements:** H225: Highly flammable liquid and vapour  
H332: Harmful if inhaled  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation  
H336: May cause drowsiness or dizziness

**GHS Precautionary Statements:**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground and bond container and receiving equipment.  
P241: Use explosion-proof ventilation equipment.  
P242: Use non-sparking tools.  
P243: Take action to prevent static discharges.  
P260: Do not breathe vapours.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P312: Call a POISON CENTER/doctor...if you feel unwell.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
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.  
P370+P378: In case of fire use CO<sub>2</sub>, dry chemical or foam to extinguish.

**Storage:** P403+P233+P235: Store in a well-ventilated place. Keep cool. Keep container tightly closed.

**Disposal:** P501: Dispose of contents/container in accordance with local regulations, following product label directions.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:** None

**2.4 Additional Information**

**Primary Routes of Entry:**

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	Yes
Inhalation:	Yes

**Emergency Overview:** Keep away from heat, sparks, flame or static discharge. Avoid contact with skin and eyes. Avoid breathing vapours. If ingested, seek immediate medical attention.

**Effects of Short-Term (Acute) Exposure:**

**Inhalation:** Inhalation of vapours may cause dizziness, drowsiness or respiratory irritation. Respiratory irritation may produce coughing and/or sneezing.

**Skin Contact:** This product contains compounds which may cause skin irritation, causing redness and/or rash to occur. Skin rash may occur quickly in persons predisposed to skin problems. Wash hands after handling this product to prevent residue from being ingested by touching mouth.

**Eye Contact:** Contact with eyes may cause significant irritation.

**Ingestion:** Ingestion may produce the same health effects as inhalation.

**Effects of Long-Term (Chronic) Exposure:**

Repeated or prolonged skin contact may cause irritation of the skin.

**Medical Conditions Aggravated By Exposure:** Persons who have a predisposition to skin problems may experience skin irritation. First signs of an adverse reaction may result in itchy skin.

### 3. Composition

**3.1 Mixture composition**

Component	% (w/w)	GHS Classification
Tetrahydrofuran CAS 109-99-9 EINECS No. 203-726-8	Unknown	Flammable Liquid, Category 2 Eye Damage/Irritation, Category 2A STOT, SE, Category 3
Acetone CAS No 67-64-1 EINECS No 200-662-2	Unknown	Flammable Liquid, Category 2 Eye Damage/Irritation, Category 2A
Cyclohexanone CAS No 108-94-1 EINECS No 203-631-1	Unknown	Flammable Liquid, Category 3 Acute Toxicity, Inhalation, Category 4
Non-hazardous ingredients or those below disclosure requirements	Unknown	Not applicable

Despite requirements under the Canadian Hazardous Products Regulations to disclose concentrations of ingredients, the manufacturer has chosen to claim "Trade Secret" without proper registration.

### 4. First Aid Measures

**4.1 Description of First Aid Measures**

**General advice:** Exposed individuals may experience eye tearing (lacrimation), redness and discomfort. Prolonged or over exposure may cause liver and kidney damage. Exposure may have Central Nervous System effect such as drowsiness or dizziness. In all cases of exposure, wash skin surfaces with soap and water. Seek medical advice for cases of ingestion.

**In case of eye contact:** Rinse eyes immediately with plenty of warm water for 15 minutes minimum. While rinsing eyes, hold eyelids open occasionally to more effectively cleanse the eye. Remove contact lenses, if safe to do so. If irritation occurs and persists, consult a doctor immediately.

**In case of skin contact:** Wash hands/skin immediately with soap and water after handling. Do not eat, drink or smoke until hands are thoroughly washed. If irritation or redness occurs or persists seek medical advice. Remove contaminated clothing and wash before reusing.

**If inhalation:** Clear airway of the product should accidental ingestion occur. Remove victim to fresh air. Do not give artificial respiration directly to victim to avoid self contamination. If breathing is labored, give oxygen. Seek medical attention if breathing is difficult or discomfort occurs.

**If ingestion:** If ingested immediately call a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice. Provided that the patient is conscious, rinse mouth with water. Do NOT give anything to an unconscious person. Do not induce vomiting unless instructed to do so by a physician or the poison control center. If spontaneous vomiting occurs, have victim lean forward with head between knees to avoid aspirating vomitus, Rinse mouth and give 2 glasses water, if conscious.

#### 4.2 Most important symptoms and effects, both acute and delayed

##### **Effects of Short-Term (Acute) Exposure:**

**Inhalation:** Inhalation of vapours may cause dizziness, drowsiness or respiratory irritation. Respiratory irritation may produce coughing and/or sneezing.

**Skin Contact:** This product contains compounds which may cause skin irritation, causing redness and/or rash to occur. Skin rash may occur quickly in persons predisposed to skin problems. Wash hands after handling this product to prevent residue from being ingested by touching mouth.

**Eye Contact:** Contact with eyes may cause significant irritation.

**Ingestion:** Ingestion may produce the same health effects as inhalation.

##### **Effects of Long-Term (Chronic) Exposure:**

Repeated or prolonged skin contact may cause irritation of the skin.

**Medical Conditions Aggravated By Exposure:** Persons who have a predisposition to skin problems may experience skin irritation. First signs of an adverse reaction may result in itchy skin.

#### 4.3 Indication of any immediate medical attention and special treatment needed

In the case of accidental ingestion, it is important to get treatment immediately.

## 5. Fire Fighting Measures

#### 5.1 Extinguishing Media

**Suitable extinguishing media:** Product is flammable. Extinguish by using foam, dry chemical or CO<sub>2</sub> where applicable.

#### 5.2 Special hazards arising from mixture: Dried product may burn. Product may splatter if heated above 100°C.

**Advice for firefighters:** In any fire situation, firefighters should wear full protective clothing including self contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**5.3 Further Information:**

**Sensitivity to Impact:** No  
**Sensitivity to Static Discharge:** Yes

**HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) HAZARD INDEX:**

HEALTH: 2

FLAMMABILITY: 4

REACTIVITY: 0

PERSONAL PROTECTION: None

## 6. Accidental Release Measures

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

All spill responders involved in a cleanup of this product must follow good industrial hygiene practices. A small spill can be handled routinely. Wear suitable protective equipment and eye protection to prevent skin and eye contact. Extinguish all sources of ignition and remove containers of sealant if safe to do so.

**Respiratory Protection:** To avoid inhaling vapours, use self-contained breathing apparatus if exposure limits are exceeded.

**Skin protection:** Wear suitable protective equipment to prevent skin contact.

**Eye and Face Protection:** Wear chemical goggles or full face protection.

**Footwear:** No specific recommendation.

**Other:** None

**6.2 Environmental precautions**

Do not allow this material to enter into the aquatic environment. If spilled and safe to do so, protect from spillage into sewers or natural waterways.

**6.3 Methods and materials for containment and cleanup**

Immediately remove all sources of heat/ignition. Clean up spills immediately to protect human health and the environment. Scoop or sweep up material place in an appropriate container for disposal. If on soil, skim top layer of contaminated soil and place in an appropriate container for disposal. Once the spill has been remediated, arrange for disposal of the containers. Properly label containers to identify contents. Spill area may be washed down with water and detergent.

**Remedial Measures:** Do not use unprotected hands to collect spilled material. Ensure proper protective equipment is used to prevent contact with skin and eyes.

**Large Spills:** Product is only sold in small containers.

**Small Spills:** Scoop or sweep up material place in an appropriate container for disposal. If on soil, skim top layer of contaminated soil and place in an appropriate container for disposal.

**6.4 Reference to other sections**

For disposal, see Section 13.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

**Handling Procedures:** While handling this product, a residue on skin may be transferred to mouth by accident. Wash thoroughly and immediately after handling this product and before eating, drinking, smoking or using the toilet. Keep container closed when not in use.

### 7.2 Conditions for safe storage, including incompatibilities

**Storage: *Keep out of reach of children and animals.*** Keep container closed when not in use and store in a cool, dry, well-ventilated area away from heat, flame, sources of ignition, direct sunlight, foodstuffs and clothing. Protect from sparks, heat or flame. Empty containers may contain residues which are hazardous. Always keep the repair adhesive in the original container. Store away from incompatible materials such as strong oxidizers and acids. Store at temperatures between 1°C (34°F) and 49°C (120°F).

### 7.3 Specific end use(s)

No other uses except those mentioned in Section 1.3

## 8. Exposure Controls, Personal Protection

### 8.1 Control parameters

#### Components with workplace control parameters

Tetrahydrofuran, CAS No 109-99-9	100 ppm ACGIH* STEL 50 ppm, ACGIH TLV 200 ppm, OSHA* PEL TLV
Acetone, CAS No 67-64-1	750 ppm ACGIH STEL 500 ppm ACGIH TLV 1000 ppm OSHA PEL TLV
Cyclohexanone, CAS 108-94-1	50 ppm, ACGIH STEL 20 ppm, ACGIH TWA 50 ppm, OSHA PEL TLV

\* ACGIH: American Conference of Governmental Industrial Hygienists. OSHA: Occupational Safety and Health Administration. Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area. OSHA: Occupational Safety and Health Administration.

**ABBREVIATION KEY:** N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

### 8.2 Exposure Controls

**Engineering Controls:** PVC repair may be used in a well-ventilated place away from heat, sparks and ignition sources. Do NOT use where air circulation is insufficient to remove vapours. Avoid breathing vapours from the product.

**Respiratory Protection:** Not applicable for consumers provided package instructions are followed. If use is such that vapours are not removed by air circulation, use a respirator with an organic vapour cartridge.

**Skin protection:** Use solvent resistant gloves for skin protection if continual use of product is necessary.

**Eye and Face Protection:** Protect from contact with eyes by using chemical goggles or safety glasses.

**Footwear:** No specific recommendation.

**Other:** None

**Control of environmental exposure**

None

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Slightly viscous liquid
<b>Odour:</b>	Ether-like odour
<b>Odour Threshold:</b>	Not determined
<b>pH:</b>	Not applicable
<b>Melting Point/Freezing Point:</b>	-163°C
<b>Initial Boiling Point:</b>	56°C
<b>Flash Point:</b>	-18°C (Closed Cup)
<b>Evaporation Rate:</b>	>1.0
<b>Flammability:</b>	Flammable
<b>Upper Explosion Limit:</b>	12.8%
<b>Lower Explosion Limit:</b>	1.8%
<b>Vapour Pressure:</b>	245.3 hPa @ 20°C (acetone)
<b>Vapour Density:</b>	>2.0
<b>Relative Density:</b>	0.900 @ 25°C, water = 1.0
<b>Solubility:</b>	Negligible
<b>Partition Coefficient:</b>	Not available
<b>Autoignition Temperature:</b>	321°C
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	Not available
<b>Oxidizing Properties:</b>	Not available
<b>Percent VOC:</b>	<=510 g/L

9.2 Other safety information: None

## 10. Stability and Reactivity

### 10.1 Reactivity

Not reactive under normal storage conditions.

### 10.2 Chemical Stability

Stable under recommended storage conditions. Storage should be in a dry, cool, well-ventilated area away from incompatible materials, sources of ignition and heat, out of direct sunlight.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions. Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Heat, sparks, flames, sources of ignition which may initiate burning. During fire, irritating and possible toxic gases may be generated by thermal decomposition or combustion. Keep away from incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents, acids and bases.

- 10.6 Hazardous decomposition products**  
Carbon oxides. Various hydrocarbons vapours and toxic gases in smoke.

## 11. Toxicological Information

**11.1 Information on toxicological effects**

**Acute toxicity**

Acute Toxicity, Inhalation, Category 4, H332: Harmful if inhaled.

**Skin corrosion/irritation**

No GHS classification

**Serious eye damage/eye irritation**

Eye Damage/Irritation, Category 2A, H319: Causes serious eye irritation.

**Respiratory or skin sensitization**

No GHS classification

**Germ Cell Mutagenicity**

No GHS classification

**Carcinogenicity**

No GHS classification

**Reproductive toxicity**

No GHS classification

**Specific Target Organ Toxicity – Single exposure**

Specific Target Organ Toxicity, Single Exposure (inhalation), Category 3, Respiratory Tract

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

**Specific Target Organ Toxicity – Repeated exposure**

No GHS classification

**Aspiration Hazard**

No GHS classification

**Aquatic Toxicity**

No GHS classification

**Additional information**

Component	LD <sub>50</sub>	LC <sub>50</sub>
Tetrahydrofuran CAS 109-99-9	1650 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	14.7 mg/l (inhalation rat, 6hr)
Acetone CAS No 67-64-1	5800 mg/kg (oral/rat)	50100 mg/m <sup>3</sup> (inhalation/rat, 8hr)
Cyclohexanone CAS No 108-94-1	800 mg/kg (oral/rat) 948 mg/kg (dermal/rabbit)	10.7 mg/l (inhalation/rat, 4hr)



## 12. Ecological Information

### 12.1 Toxicity

*Tetrahydrofuran:*

Toxicity to fish:	LC <sub>50</sub> Flow through 2700-3600 mg/l, Pimephales Promelas, flathead minnow, static
Toxicity to Daphnia and Other aquatic invertebrates	EC <sub>50</sub> Daphnia magna (water flea) 382 mg/l, 24 hr.
Toxicity to algae	IC <sub>50</sub> 3700 mg/l, 192 hr

*Acetone:*

Toxicity to fish:	LC <sub>50</sub> Oncorhynchus Mykiss, Rainbow Trout, 5540 mg/l, 96 hr
Toxicity to Daphnia and Other aquatic organisms	LC <sub>50</sub> Daphnia Magna (water flea) 8800 mg/l, 48 hr
Toxicity to algae	EC <sub>50</sub> 14500 mg/l, 15 minutes

*Cyclohexanone:*

Toxicity to fish:	LC <sub>50</sub> Pimephales Promelas, flathead minnow, 8.9 mg/l, 96 hr
Toxicity to Daphnia and Other aquatic organisms	LC <sub>50</sub> Daphnia Magna (water flea) 820 mg/l, 24 hr
Toxicity to algae	No data

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not conducted

### 12.6 Other adverse effects

No data available

## 13. Disposal Considerations

### 13.1 Waste treatment methods

**Product:**

Do not reuse empty containers. Dispose of product according to all applicable local, state (provincial), and federal regulations. Offer to a licensed disposal company, properly contained and labelled.

**Contaminated Packaging:**

As above

## 14. Transport Information

**Transport of Dangerous Goods (TDG and CLR)\*:** UN 1133, ADHESIVES, Class 3, PG II

**United States Department of Transport (49CFR):** UN 1133, ADHESIVES, Class 3, PG II

**International Air Transport Association (IATA):** UN 1133, ADHESIVES, Class 3, PG II

**International Maritime Organization (IMO):** UN 1133, ADHESIVES, Class 3, PG II,  
EmS No F-E, S-D, Stowage Category B

\*May be shipped as Consumer Commodity in compliance with Transport Regulations.

## 15. Regulatory Information

### CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

### AMERICAN FEDERAL REGULATIONS:

**CERCLA Hazardous Substance List (40 CFR 302.4)** None

**SARA 302 Extremely hazardous substance:** No

**SARA 311/312 Hazardous chemical:** Acute Health Hazard, Chronic Health Hazard

**SARA 313 (TRI reporting):** None

### **Other State Regulations:**

#### ***Massachusetts Right to Know Components:***

Tetrahydrofuran, CAS No 109-99-9	Revision Date: 1993-04-24
Acetone, CAS No 67-64-1	Revision Date: 1993-02-16
Cyclohexanone, CAS No 108-94-1	Revision Date: 1993-04-24

#### ***Pennsylvania Right to Know Components:***

Tetrahydrofuran, CAS No 109-99-9	Revision Date: 1993-04-24
Acetone, CAS No 67-64-1	Revision Date: 1993-02-16
Cyclohexanone, CAS No 108-94-1	Revision Date: 1993-04-24

#### ***New Jersey Right to Know Components:***

Tetrahydrofuran, CAS No 109-99-9	Revision Date: 1993-04-24
Acetone, CAS No 67-64-1	Revision Date: 1993-02-16
Cyclohexanone, CAS No 108-94-1	Revision Date: 1993-04-24

***California Prop 65 Components:*** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### **OTHER:**

None

## 16. Other Information

**Original Preparation Date:** March 25, 2018

**Prepared by:** Technical Department, Coghlan's Ltd.

**Disclaimer:** This Safety Data Sheet (SDS) was prepared using information provided by CCINFO, ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Seventh Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Coghlan's Ltd expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

***This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Coghlan's Ltd.***

**Revisions:** None