



## SAFETY DATA SHEET

*This Safety Data Sheet complies with the Canadian Hazardous 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 Compass Liquid Fill
- 1.2 Other Means of Identification:** Found in the following products:  
0088, 0448, 1168, 1235, 1236, 8048, 8160, 8162, 8164,  
8268, 8652, 9740, 9685, 0240, 0044, 0045, 0466, 9714 and  
Pro Yang and New Line Compasses
- 1.3 Product Use:** Liquid Fill for All compasses
- 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  
Email: [info@coghlans.com](mailto:info@coghlans.com)
- Supplier:** As above
- 1.6 Emergencies:** +1(877) 264-4526

### 2. Hazards Identification

- 2.1 Classification of product or mixture**  
Note to reader: 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 4  
Aspiration Hazard, Category 1
- 2.2 GHS Label Elements, including precautionary statements**

**Pictogram:**



**Signal Word:** Danger

**GHS Hazard Statements:** H227: Combustible Liquid  
H304: May be fatal if swallowed and enters airways

**GHS Precautionary Statements:**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P370+P378: In case of fire, use foam, water fog, dry chemical or carbon dioxide to extinguish  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.  
P331: Do NOT induce vomiting.

**Storage:** P403: Store in a well-ventilated place.  
P405: Store locked up

**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:** Material can accumulate a static charge which may cause an ignition.

**2.4 Additional Information**

**Primary Routes of Entry:**

Skin Contact: Yes  
Skin Adsorption: No  
Eye Contact: Yes. May cause mild eye irritation after extended contact.  
Ingestion: Yes  
Inhalation: Yes. Aspiration hazard.

**Emergency Overview:** If compasses are damaged, a risk of contact with a limited amount of fluid exists. Ensure infants and small children do not place compasses in mouths. Ingestion may cause entry into airways which may be fatal. Prolonged contact with skin may cause defatting resulting in dryness and cracking.

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

**Inhalation:** Do not breathe vapours or combustion products from this fluid. At normal ambient temperatures this product does not produce significant harmful vapours.

**Skin Contact:** There is not acute health effect expected from skin contact with this product.

**Eye Contact:** Minor irritation to the eye may occur in cases of contact.

**Ingestion:** Do not ingest! Immediately contact a POISON CONTROL CENTRE, doctor or nearest hospital for treatment advice. Ingestion may cause aspiration into the airways. In serious cases, it may be fatal.

**Effects of Long-Term (Chronic) Exposure:** Repeated skin contact may cause defatting of the skin resulting in dryness and cracking. No other health effects are anticipated.

**Medical Conditions Aggravated By Exposure:** Persons with predisposed skin problems may experience rashes and more severe reaction to contact.

### 3. Composition

#### 3.1 Mixture composition

Component	% (w/w)	GHS Classification
Naphtha, petroleum, hydrotreated, heavy CAS No 64742-48-9 EINECS No 265-150-3	100	Flammable Liquid, Category 4, Aspiration Hazard, Category 1
Other undisclosed ingredients and fillers	0	N/ap

### 4. First Aid Measures

#### 4.1 Description of First Aid Measures

**General advice:** If ingested or a sudden rash occurs and persists, consult a physician. Show this Safety Data Sheet to the doctor in attendance. Wash hands after handling and skin areas where contact has occurred. It is recommended that hands be washed before eating, drinking or smoking.

**In case of eye contact:** Wash eye(s) with large amounts of water for at least 15 minutes while holding eyelid(s) open. If irritation occurs, get medical attention immediately. Remove contact lenses if easy to do.

**In case of skin contact:** Remove contaminated clothing and wash affected skin area with soap and water. Do not use contaminated clothing until thoroughly washed with soap and water. In the event that a rash occurs and persists, contact a physician.

**If inhalation:** Remove from further exposure. For those providing assistance, avoid exposure to yourself or others, Use adequate respiratory protection. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical attention. If breathing has stopped, assist ventilation with a mechanical device or use mouth to mouth resuscitation.

**If ingestion:** Seek immediate medical attention. Do not induce vomiting. Never give anything to an unconscious person.

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

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

**Inhalation:** Do not breathe vapours or combustion products from this fluid. At normal ambient temperatures this product does not produce significant harmful vapours.

**Skin Contact:** There is not acute health effect expected from skin contact with this product.

**Eye Contact:** Minor irritation to the eye may occur in cases of contact.

**Ingestion:** Do not ingest! Immediately contact a POISON CONTROL CENTRE, doctor or nearest hospital for treatment advice. Ingestion may cause aspiration into the airways. In serious cases, it may be fatal.

**Effects of Long-Term (Chronic) Exposure:** Repeated skin contact may cause defatting of the skin resulting in dryness and cracking. No other health effects are anticipated.

**Medical Conditions Aggravated By Exposure:** Persons with predisposed skin problems may experience rashes and more severe reaction to contact.

- 4.3 Indication of any immediate medical attention and special treatment needed**  
No data available.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

**Suitable extinguishing media:** Use water fog, foam, dry chemical or carbon dioxide to extinguish fire. Do NOT use straight streams of water, which may cause a fire to spread.

- 5.2 Special hazards arising from mixture:** Combustion or thermal decomposition may produce carbon monoxide and carbon dioxide.

**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. Use water spray to cool fire exposed containers.

### 5.3 Further Information:

**Sensitivity to Impact:** No  
**Sensitivity to Static Discharge:** Yes, movement of larger volumes.

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

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

CHRONIC HEALTH: n/ap

## 6. Accidental Release Measures

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

A damaged compass that leaks a small amount of fluid can be handled by placing compass in a bag and sealing to prevent further exposure. Protect skin from contact by wearing appropriate skin protection. Avoid breathing vapours, mist or gas. Remove sources of heat, flame and ignition. All spill responders involved in a cleanup of this product must follow good industrial hygiene practices. A small spill can be handled routinely.

**Respiratory Protection:** Respiratory protection for the small spills likely to occur from damaged compasses, is not required. In cases where large amounts are spilled, to avoid inhaling smoke/vapours, use self-contained breathing apparatus. Use only approved respirators by NIOSH or OSHA.

- Skin protection:** Wear suitable protective equipment to prevent skin contact. Nitrile gloves may be used. Wear sufficient clothing to prevent skin exposure.
- Eye and Face Protection:** Wear chemical goggles or full face protection for large cleanups. In the case of very small spills, do not allow fluid to contact face or eyes.
- Footwear:** No specific recommendation.
- Other:** None

## 6.2 Environmental precautions

Do not let this product escape into the environment. Ensure that spilled material does not enter sewers or natural waterways.

### Methods and materials for containment and cleanup

Clean up spills immediately. Scoop into an appropriate container for disposal. Remove all sources of heat, ignition and flame. Once the spill has been remediated, arrange for disposal of the containers. Properly label containers to identify contents.

**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:** Large spills not likely to occur. This SDS doesn't address shipments of fluid in bulk.

**Small Spills:** Scoop up spilled contents and place in appropriate containers for disposal. Label appropriately for disposal.

## 6.3 Reference to other sections

For disposal, see Section 13.

# 7. Handling and Storage

## 7.1 Precautions for safe handling

**Handling Procedures:** Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Wash thoroughly and immediately after handling this product and before eating, drinking or smoking.

## 7.2 Conditions for safe storage, including incompatibilities

**Storage:** *Keep out of reach of children and animals.* Handle compasses with care to prevent damage. Keep away from excessive heat. Protect from sparks, heat or flame. Store separate from animal or human foodstuffs.

## 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

*Naphtha, petroleum, hydrotreated, heavy*, CAS No 64742-48-9: ACGIH: 5 mg/m<sup>3</sup> (oil mist, mineral)

\* ACGIH: American Conference of Governmental Industrial Hygienists. 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.

## 8.2 Exposure Controls

**Respiratory Protection:** Respiratory protection for the small spills likely to occur from damaged compasses, is not required. In cases where large amounts are spilled, to avoid inhaling smoke/vapours, use self-contained breathing apparatus. Use only approved respirators by NIOSH or OSHA.

**Skin protection:** Wear suitable protective equipment to prevent skin contact. Nitrile gloves may be used. Wear sufficient clothing to prevent skin exposure.

**Eye and Face Protection:** Wear chemical goggles or full face protection for large cleanups. In the case of very small spills, do not allow fluid to contact face or eyes.

**Footwear:** No specific recommendation.

**Other:** None

### Control of environmental exposure

Prevent from entering the environment through natural waterways, sewers or drains.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Clear, colourless liquid
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Melting Point/Freezing Point:</b>	Not determined
<b>Initial Boiling Point (range):</b>	189°C to 209°C
<b>Flash Point:</b>	61°C [Closed Cup]
<b>Evaporation Rate:</b>	0.09 (n-Butyl Acetate = 1)
<b>Flammability:</b>	Combustible liquid
<b>Upper Explosion Limit:</b>	5.3% (volume)
<b>Lower Explosion Limit:</b>	0.7% (volume)
<b>Vapour Pressure:</b>	0.041 kPa @ 20°C
<b>Vapour Density (air = 1):</b>	5.6 @ 101 kPa
<b>Relative Density:</b>	0.765 gm/cc (water = 1)
<b>Solubility in Water:</b>	Negligible
<b>Partition Coefficient:</b>	Not determined
<b>Autoignition Temperature:</b>	335°C
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity:</b>	1.56 cSt @ 40°C, 2.02 cSt @ 25°C
<b>Explosive Properties:</b>	Not available
<b>Oxidizing Properties:</b>	Not available
<b>Percent Volatiles:</b>	Not available
<b>Pour Point:</b>	-69°C

9.2 Other safety information: None

## 10. Stability and Reactivity

### 10.1 Reactivity

No dangerous reactions known under conditions of normal use and storage.

### 10.2 Chemical Stability

Stable under recommended storage conditions.

- 10.3 Possibility of hazardous reactions**  
No dangerous reactions known under conditions of normal use and storage.
- 10.4 Conditions to avoid**  
Keep compasses away from strong oxidizers. Keep away from heat and open flame.
- 10.5 Incompatible materials**  
Strong oxidizing agents
- 10.6 Hazardous decomposition products**  
Irritating and possible toxic gases may be generated by thermal decomposition or combustion.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute toxicity**

No GHS classification

**Skin corrosion/irritation**

No GHS classification

**Serious eye damage/eye irritation**

No GHS classification

**Respiratory or skin sensitization**

No GHS classification

**Germ Cell Mutagenicity**

No GHS classification

**Carcinogenicity**

No GHS classification. Not listed by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity**

No GHS classification

**Specific Target Organ Toxicity – Single exposure**

No GHS classification

**Specific Target Organ Toxicity – Repeated exposure**

No GHS classification

**Aspiration Hazard**

Aspiration Hazard, Category 1, H304: May be fatal if swallowed and enters airway.

**Aquatic Toxicity**

No GHS classification

**Additional information**

Component	LD <sub>50</sub>	LC <sub>50</sub>
<i>Naphtha, petroleum, hydrotreated, heavy</i> CAS No 64742-48-9	>6000 mg/m <sup>3</sup> (oral/rat) >3160 mg/m <sup>3</sup> (dermal/rabbit)	>8500 mg/m <sup>3</sup> (inhalation, rat/4 hour)

## 12. Ecological Information

### 12.1 Toxicity

**Acute:**

Fish: LLO: Oncorhynchus mykiss (Rainbow Trout), 1000 mg/l 96hr  
Other invertebrates: ELO: Daphnia magna (Water Flea), 1000 mg/l, 48 hr  
Algae: ELO: Pseudokirchneriella subcapitata, 1000 mg/l, 75 hr

**Chronic:**

Other invertebrates: NOELR: 1 mg/l, 21 days  
Algae: NOELR: 1000 mg/l, 72 hrs

### 12.2 Persistence and degradability

Degradability in water: 31.3 degraded after 28 days

### 12.3 Bioaccumulative potential

*No data*

### 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:**

If compass is damaged or leaking, clean with soap and water before disposing in general garbage. Check with all applicable local, state (provincial), and federal regulations before disposing.

**Contaminated Packaging:**

As above

## 14. Transport Information

**Transport of Dangerous Goods (TDG and CLR):** Not regulated

**United States Department of Transport (49CFR):** Not regulated

**International Air Transport Association (IATA):** Not regulated

**International Maritime Organization (IMO):** Not regulated



## 15. Regulatory Information

### CANADIAN FEDERAL REGULATIONS:

**CEPA, DOMESTIC SUBSTANCES LIST:** Listed

### AMERICAN FEDERAL REGULATIONS:

**TSCA (Toxic Substance Control Act):** Listed

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not regulated

**SARA 302 Extremely hazardous substance:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

**SARA 313 (TRI reporting):** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **Other State Regulations:**

**California Prop 65 Components:** This product does not contain a chemical 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