



SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products 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 Fire Paste #8607

1.2 **Other Means of Identification:** None

1.3 **Product Use:** Fire starting paste

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 Solid, Category 2

2.2 GHS Label Elements, including precautionary statements

Pictogram:



Signal Word: Warning

GHS Hazard Statements: H228: Flammable Solid

GHS Precautionary Statements:

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

Response: P370+P378: In case of fire use water as first choice. Sand, earth, dry chemical, foam or CO₂ may be used to extinguish.

Storage: None

Disposal: None.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: When igniting fire paste, danger of skin burns may occur.

2.4 Additional Information

Primary Routes of Entry:

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

Emergency Overview: When igniting the fire paste, care must be taken to prevent injury by burns to skin and eyes. When burned, fumes and smoke may be irritating to the respiratory tract. Inhalation of vapours from this product are harmful acutely and chronically.

Effects of Short-Term (Acute) Exposure:

Inhalation: The burning of this product will release gaseous compounds that are irritating to the respiratory tract. Inhalation of product vapours may result in drowsiness or dizziness

Skin Contact: This product contains compounds which may cause skin irritation, causing redness and/or rash to occur. Skin contact with ignited product will cause significant burns. 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. Unprotected skin may absorb ingredients from this product causing dizziness or drowsiness.

Eye Contact: Smoke or vapours from the burning product may cause transient eye discomfort.

Ingestion: Accidental ingestion is unlikely due to form of product. If product is ingested, compounds in this paste have target organ effects possibly causing depression of the central nervous system and damage to target organs. Immediately contact a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice.

Effects of Long-Term (Chronic) Exposure:

Repeated or prolonged skin contact may cause defatting, redness and cracking.

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
Stoddard Solvent CAS No 64742-48-9 EINECS No 265-150-3	80.0 – 90.0	Aspiration Hazard, Category 1
Bentonite, Silicon Dioxide CAS No 14808-60-7 EINECS No 238-878-4	5.0 – 10.0	Carcinogenicity, Category 1A Specific Target Organ Toxicity, Category 1, Lungs
Ethanol, Ethyl Alcohol CAS No 64-17-5 EINECS No 200-578-6	2.0 - 5.0	Flammable Liquid, Category 2 Eye Irritant, Category 2A
Non-hazardous ingredients or those below disclosure requirements	None	

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: If ingested, immediately call a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice. For burns, seek medical advice. Wash hands after handling. Do not eat drink or smoke until washing the hands.

In case of eye contact: Immediately flush eyes with water for 10 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 occurs or persists seek medical advice.

If inhalation: Clear airway of the paste 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: This product is orally toxic if ingested. If ingested immediately call a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice. Provided that 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 – 4 cups water, if conscious.

4.2 Most important symptoms and effects, both acute and delayed

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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. When ignited use foam, water or CO₂ where applicable.

5.2 Special hazards arising from mixture: When igniting, ensure care is taken not to burn the skin.

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: 1

FLAMMABILITY: 3

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 fire paste if safe to do so.

Respiratory Protection: To avoid inhaling smoke/vapours, use self-contained breathing apparatus.

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

This product is unlikely to cause damage to the aquatic environment but ensure that spilled material does not enter 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: Shovel spilled product into adequate compatible containers, skimming soil as well to ensure all released product and contaminated soil is recovered. Properly close and label all containers for disposal. Completely wash spill area with plenty of water and detergent.

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 fire paste, 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. Spilled fire paste may make floors slippery.

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 fire paste in the original container. Store away from incompatible materials such as strong oxidizers.

In bulk storage areas, post "NO SMOKING" signs. Have appropriate fire extinguishers located in an accessible place near storage area. Keep containers closed when not in use. Prevent static discharges and use proper grounding procedures. Do not stack pallets more than three high.

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

Stoddard Solvent	ACGIH* 5 mg/m ³ , TLV-TWA (oil mists)
Ethanol, CAS No 64-17-5	OSHA Table Z-1 Limits for air contaminants TWA: 1000 ppm/1900 mg/m ³
Bentonite ¹ , CAS No 14808-60-7	ACGIH TWA 0.025 mg/m ³

* 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. OSHA: Occupational Safety and Health Administration.

Note 1: This ingredient is a filler bound into the paste and is not free for exposure by inhalation.

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

8.2 Exposure Controls

Engineering Controls: Fire paste is designed to be used outdoors. Avoid breathing vapours from product or smoke from the flame, when ignited.

Respiratory Protection: Not applicable for consumers provided package instructions are followed. In circumstances of high concentration of smoke, a NIOSH approved air purifying respirator with N, P or R95 or HE filter and an organic vapour cartridge may be permissible.

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

Eye and Face Protection: Not applicable for consumers following product directions.

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

Appearance:	Opaque tan viscous paste
Odour:	Naphtha odour
Odour Threshold:	Not applicable
pH:	Not determined
Melting Point/Freezing Point:	Not determined
Initial Boiling Point:	Not determined
Flash Point:	10°C (Closed Cup), Stoddard Solvent
Evaporation Rate:	>1
Flammability:	Flammable
Upper Explosion Limit:	Not available
Lower Explosion Limit:	Not available
Vapour Pressure:	0.3 KPa @ 37.8°C
Vapour Density:	Not available
Relative Density:	Not available
Solubility:	Insoluble in water
Partition Coefficient:	Not available
Autoignition Temperature:	Not determined
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Percent Volatiles:	85 - 90

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity

May be reactive under conditions of heat.

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

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.

10.6 Hazardous decomposition products

Oxides of carbon as well as unknown irritation 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

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

No GHS classification

Aquatic Toxicity

No GHS classification

Additional information

Component	LD ₅₀	LC ₅₀
Stoddard Solvent CAS No 64742-48-9	>5000 mg/kg (oral/rat) >3160 mg/kg (dermal/rabbit)	N/d
Bentonite, Silicon Dioxide CAS No 14808-60-7	N/d	N/d
Ethanol, Ethyl Alcohol CAS No 7723-14-0	10470 mg/kg (oral/ female rat) 15800 mg/kg (dermal/rabbit)	30000 mg/l (rat/inh, 4 hr)

12. Ecological Information

12.1 Toxicity

Aquatic, Acute Aquatic Toxicity, Not classifiable

Aquatic, Chronic Aquatic Toxicity, Not classifiable

Data:

Stoddard Solvent: *Toxicity to algae*, No data

Stoddard Solvent: *Toxicity to fish*, LC₅₀, (Pimephales Promelas, flathead minnow), 2200 mg/l, 96 hr

Toxicity to other aquatic invertebrates, EC₅₀, (Chaetogammarus marinus) (crustacea), 2.6 mg/l, 96 hr

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 3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S.(Petroleum Naphtha), Class 4.1, PG II

United States Department of Transport (49CFR): UN 3175, Solids Containing Flammable Liquid, n.o.s. (Petroleum Naphtha), Class 4.1, PG II

International Air Transport Association (IATA): UN 3175, Solids Containing Flammable Liquid, n.o.s. (Petroleum Naphtha), Class 4.1, PG II

International Maritime Organization (IMO): UN 3175, Solids Containing Flammable Liquid, n.o.s. (Petroleum Naphtha), Class 4.1, PG II, EmS No F-A, S-I, Stowage Category B

*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) Not regulated

SARA 302 Extremely hazardous substance: Not regulated

SARA 311/312 Hazardous chemical: Fire Hazard, 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:

Massachusetts Right to Know Components:

None

Pennsylvania Right to Know Components:

Quartz (Bentonite), CAS No 14808-60-7 Rev Date 1989-08-11

New Jersey Right to Know Components:

Quartz (Bentonite), CAS No 14808-60-7 Rev Date 1989-08-11

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: December 7, 2015

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 Fifth 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: March 25, 2018, GHS classification changed to reflect new information.