

SAFETY DATA SHEET

Imperial Manufacturing Inc. Sweep Aid Creosote Treatment.

Issuing Date: July 19, 2015

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name Sweep Aid Creosote Treatment.

Other Identification Means:

Synonyms None

Use of Substance/Preparation and Restrictions:

Recommended Use: Soot remover
Uses Advised Against: No information available

SDS Supplier Details:

Company Name: Imperial Manufacturing Inc.
Company Identification: 40 Industrial Park Road,
Richibucto, New Brunswick, Canada.
E4W 4A4
Company Emergency Telephone Number Emergency Phone: 506-523-9117
Canutec (613) 996-6666 (Collect)

2. HAZARDS IDENTIFICATION

Classification:

This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHMIS 2015.

GHS Label Elements, including precautionary statement:

Emergency Overview: Irritant

Acute Toxicity 4 (Oral) H302

Eye Irritation 2A H319

Skin Irritation 2 H315

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US/ CDN):



Signal Word (GHS-US/CDN): Warning

Hazard Statements (GHS-US/CDN):

H302 Harmful if swallowed. Or

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements (GHS-US/CDN):

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P221 Take any precaution to avoid mixing with combustibles.

P264 Wash thoroughly after handling.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Trade Secret
Sodium Carbonate	497-19-8	1-5	*
Copper Sulfate	7758-99-8	1-5	*
Sodium Chloride	6132-04-3	60-100	*
Calcium Carbonate	471-34-1	1-5	*
Zinc Powder	7440-66-6	1-5	*
Iron Powder	7439-89-6	1-5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact:

Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact:

Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Inhalation:

Remove to fresh air. If symptoms persist consult physician.

Ingestion:

Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Notes to Physician:

Treatment based on judgment of attending physician.

Most Important symptoms and effects, both acute and delayed:

No information available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam

Unsuitable Extinguishing Media

No information available.

Specific Exposure Hazards

Thermal decomposition releases irritating gases.

Hazardous Combustion Products

Carbon Oxides.

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Explosion Data:

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special safety equipment: Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

Method for Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Procedures for Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: Keep respiratory protective device available.
No special measures required.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Protect from humidity and water.

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Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep container tightly sealed.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines Exposure guideline for dust is 15 mg/m³ (OSHA PEL for total dust)
Use local exhaust or dilution ventilation. If dust present use approved dust mask.

Appropriate Engineering Controls:

Engineering Measures Showers. Eyewash Stations. Ventilation Systems.

Individual Protection Measures:

Eye protection: Safety goggles.

Skin protection: Use body-covering impervious clothing.

Hand protection: Chemical resistant gloves.

Respiratory protection: Use local exhaust or dilution ventilation.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Sodium Carbonate CAS # 497-19-8: ACGIH (United States) TWA: 15 mg/m³ Form: Dust

Copper Sulfate Pentahydrate CAS # 7758-99-8: NIOSH TWA: 1 mg/ m³

Calcium Carbonate CAS # 471-34-1: OSHA PEL (TWA): 5 mg/ m³

Zinc Oxide CAS # 7440-66-6: OSHA PEL 8 hour PEL: 5 mg/ m³ Form: Dust, Respirable.

Iron Powder CAS # 7439-89-6: OSHA PEL: 10 mg/ m³ ACGIH (United States) TWA: 5 mg/m³ Form: Dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Powder	Odour	No odour
Appearance	White to grey	Odour Threshold	No information available.
Colour	White.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH 10 % solution	10.5-11.5	None known
Melting/Freezing Point	No data available	None known

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Boiling Point/Range	Not data available	None known
Flash Point	None	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air:		
Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	1.5-2.0 g/cm ³	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	None under normal processing
Hazardous Polymerization:	Does not occur.
Conditions to avoid:	Incompatible agents
Incompatible materials:	Oxidizing agents, acids.
Hazardous Decomposition Products:	Carbon oxides.
Thermal Decomposition / Conditions to be avoided:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation	Specific test data for substance/mixture not available
Eye Contact	Slight irritation
Skin Contact	Specific test data for substance/mixture not available
Ingestion	Specific test data for substance/mixture not available

Component Information:

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Chemical Name	Oral LD50 mg/kg (rat)	Dermal LD50mg/kg (rabbit)	Inhalation LC50 mg/L (Rat) 1h
Sodium carbonate	4090	No data available	No data available
Copper Sulfate	482	2,000	No data available.
Sodium Chloride	3,000	>10,000	>42
Zinc	>2,000	No data available	5.4
Calcium carbonate	6,450	No data available	No data available
Iron	984	No data available	No data available

Information on Toxicological Effects:

Symptoms None known

Delayed/Immediate/Chronic Effects from short and long term exposure:

Sensitization	May cause allergic reaction
Mutagenic Effects	None known
Carcinogenicity	No ingredients listed as a carcinogen
Reproductive Toxicity	None known
STOT- Single Exposure	None known
STOT Repeated exposure	None known
Chronic Toxicity	None known
Target Organ Effects	None Known
Numerical Measures of Toxicity (based on GHS Chapter 3.1)	Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not classified
Persistence and Degradability:	No information available
Bioaccumulative Potential:	No information available
Mobility in Soil:	No information available
Other Adverse Effects:	No information available
Other Information:	Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Disposal Methods

Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging: California Hazardous Waste Codes

Not available.

Ecology – Waste Materials:

Avoid release to the environment.

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13. TRANSPORT INFORMATION

DOT:	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
TDG	Not Regulated
MEX	Not Regulated
ICAO	Not Regulated
IATA:	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
IMDG/IMO:	
Hazard Class	Not Applicable
RID	Not Regulated
ADR	Not Regulated
ADN	Not Regulated

15. REGULATORY INFORMATION

International Inventories:

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

Canadian Regulations:

Canadian WHMIS Classification:	D2B
Health Canada DIN:	Not applicable.
Canadian DSL:	Appears.

US Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Copper Sulfate pentahydrate

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes –copper sulfate pentahydrate
Chronic Health Hazard	Yes-copper sulfate pentahydrate
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA-Reportable Qtys.	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Copper Sulfate Pentahydrate	10 lbs			

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Copper Sulfate Pentahydrate	10 lbs		

US State Regulations:

California Proposition 65

This product does not contain any chemicals known by the state of California to cause cancer, birth defects, or any reproductive harm.

	Health Hazard	Flammability	Instability	Physical Hazard	Physical and Chemical Hazards – Personal Protections
NFPA	1	0	0	n/a	X
HMIS	1	0	n/a	0	B

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

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16. OTHER INFORMATION

Prepared By: Lizmar
32 Louisa Street
Toronto Ontario
M8V 2k6
416-436-5054

Issuing Date: July 19, 2015

Revision Date: None

Revision Note: None

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet