

# SAFETY DATA SHEET

Product Name: Soot Remover Powder

Issuing Date: July 19, 2015

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

### Product Identifier:

**Product Name** Soot Remover Powder  
**Product Codes** KK0174, KK0293, KK0317 (Imperial brand)

### 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:** Kel Kem Ltd.  
**Company Identification:** 1333 Cornwall Road,  
Oakville, Ontario, Canada.  
L6J 7T5  
**Company Emergency Telephone Number** Emergency Phone: (24 hours)  
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  
Inhalation (Dusts/Mists) 4

#### **Label Elements**

##### **GHS-US Labeling**

##### **Hazard Pictograms (GHS-US/ CDN):**



**Signal Word (GHS-US/CDN):** Warning

**Hazard Statements (GHS-US/CDN):**

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H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

### Precautionary Statements (GHS-US/CDN):

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	*

\* 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

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<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Exposure Hazards</b>	Thermal decomposition releases irritating gases.
<b>Hazardous Combustion Products</b>	Carbon Oxides.
<b><u>Explosion Data:</u></b>	
<b>Sensitivity to Mechanical Impact:</b>	None.
<b>Sensitivity to Static Discharge:</b>	None.
<b>Special safety equipment:</b>	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.

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### 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.  
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/m<sup>3</sup> (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/m<sup>3</sup> Form: Dust

**Copper Sulfate Pentahydrate CAS # 7758-99-8:** NIOSH TWA: 1 mg/ m<sup>3</sup>

**Calcium Carbonate CAS # 471-34-1:** OSHA PEL (TWA): 5 mg/ m<sup>3</sup>

**Zinc Oxide CAS # 7440-66-6:** OSHA PEL 8 hour PEL: 5 mg/ m<sup>3</sup> Form: Dust, Respirable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Powder	<b>Odour</b>	No Odour.
<b>Appearance</b>	White to grey	<b>Odour Threshold</b>	No information available.
<b>Colour</b>	White.		

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<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
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 <sup>3</sup>	
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

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Skin Contact  
Ingestion

Specific test data for substance/mixture not available  
Specific test data for substance/mixture not available

### Component Information:

Chemical Name	Oral LD50 mg/kg (rat)	DermalLD50mg/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

### Information on Toxicological Effects:

Symptoms None known

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

Sensitization None known  
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

### Disposal Methods

### Contaminated Packaging: California Hazardous Waste Codes

### Ecology – Waste Materials:

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. Dispose of contents/containers in accordance with local regulations.

Not available.

Avoid release to the environment.

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### 13. TRANSPORT INFORMATION

<b>DOT:</b>	Not Regulated
<b>Proper Shipping Name</b>	Not Regulated
<b>Hazard Class</b>	Not Applicable
<b>TDG</b>	Not Regulated
<b>MEX</b>	Not Regulated
<b>ICAO</b>	Not Regulated
<b>IATA:</b>	Not Regulated
<b>Proper Shipping Name</b>	Not Regulated
<b>Hazard Class</b>	Not Applicable
<b>IMDG/IMO:</b>	
<b>Hazard Class</b>	Not Applicable
<b>RID</b>	Not Regulated
<b>ADR</b>	Not Regulated
<b>ADN</b>	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 chemicals which are 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  
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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**