

SAFETY DATA SHEET

Product Name: Creosote Cleaner Liquid.

Issuing Date: January 24 2016

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

Product Identifier:

Product Name Creosote Cleaner.
Product Codes KK0039

Other Identification Means:

Synonyms None

Use of Substance/Preparation and Restrictions:

Recommended Use: Creosote cleaner
Uses Advised Against: None known.

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: Flammable

Flammable Liquids 2 H225
Eye Damage 2A H319
STOT Single exposure (narcotic effects) 3 H336

Signal Word (GHS-US/CDN):

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US/ CDN):



Signal Word (GHS-US/CDN): Danger

Hazard Statements (GHS-US/CDN):

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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H336 May cause drowsiness or dizziness.

Precautionary Statements (GHS-US/CDN):

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

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing and eye protection.

P301+P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 If exposed or concerned: Get medical advice/ attention.

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

P405 Store locked up.

P501 Dispose of contents/ container in accordance with local, regional, national, territorial, provincial, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt.	Trade Secret
Manganese Nitrate MnNO ₃ (50% Solution)	10377-66-9	1-5	*
Isopropyl Alcohol	67-63-0	7.5-15	*
Water	7732-18-5	60-100	*

* 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.

Inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing

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. Call a physician or poison control centre immediately.

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Notes to Physician:	Treatment based on judgment of attending physician.
Most Important symptoms and effects, both acute and delayed:	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
Indication of immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically.
General Information:	Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog. CO2, dry chemical, alcohol resistant foam
Unsuitable Extinguishing Media	Do not use water jet as extinguisher, as this will spread the fire.
Specific Exposure Hazards	In case of fire and/or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Highly flammable liquid and vapour. The vapour/gas is heavier than air and will spread along the ground. Runoff to sewer may create fire or explosion hazard.
Hazardous Combustion Products	Carbon Oxides.
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.

Specific end use(s): Use standard firefighting procedures and consider the hazards of other involved materials.

Specific methods: General fire hazards May intensify fire; oxidizer. Contact with combustible material may cause fire.

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. Shut off all ignition sources. No flares, smoking or flames in hazard area.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

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Method for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. This product is miscible in water.

Methods for Cleaning Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Wear appropriate protective equipment and clothing during clean-up.

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: Keep away from heat. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

Information about storage in one common storage facility: Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS).

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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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Appropriate Engineering Controls: Good general ventilation. Use explosion proof ventilation equipment.

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.

Exposure Guidelines:

Isopropyl Alcohol CAS # 67-63-0: USA ACGIH (TWA) 200 ppm (8 hours)
USA OSHA (TWA) 980.0 mg/m³ (8 hours)
USA OSHA (STEL) 1225 mg/m³ (15 minutes)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odour	Alcohol like
Appearance	Liquid	Odour Threshold	No data available.
Colour	Light pink		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	No data available	None known
Melting/Freezing Point	Estimated 0 °C / 32°F	None known
Boiling Point/Range	Estimated 100 °C / 212 °F	None known
Flash Point	Closed cup: 11.7°C/53.1 °F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air: Upper Limit	12%	None known

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Lower Limit	2%	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Complete.	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:	None.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	None under normal processing
Hazardous Polymerization:	Does not occur.
Conditions to avoid:	Heat. Contact with incompatible materials. All sources of ignition(spark or flame)
Incompatible materials:	Combustible materials. Reducing agents. Acids.
Hazardous Decomposition Products:	None known.
Thermal Decomposition / Conditions to be avoided:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation	May cause irritation to the respiratory system. May cause CNS depression.
Eye Contact	Causes serious eye damage.
Skin Contact	Causes sever skin burns.
Ingestion	Cause digestive tract burns.

Component Information:

Chemical Name	Oral/ Rat LD50	Dermal/ Rabbit LD50	Inhalation/Rat LC50 1Hr
Isopropyl Alcohol	5000 mg/kg	12,800 mg/kg	45,248 ppm

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Information on Toxicological Effects:

Symptoms

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Inhalation may cause headache, nausea or vomiting, drowsiness, dizziness or unconsciousness.

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

Sensitization

Not classified.

Mutagenic Effects

Not classified.

Carcinogenicity

Not a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity

Not classified.

STOT- Single Exposure

Category 3 – narcotic effects.

STOT Repeated exposure

Not classified.

Chronic Toxicity

Not classified.

Target Organ Effects

Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability:

No information available

Bioaccumulative Potential:

No information available

Mobility in Soil:

No information available

Other Adverse Effects:

No other adverse environmental effects are expected.

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

Contaminated Packaging: California Hazardous Waste Codes

Dispose of contents/containers in accordance with local regulations.

Ecology – Waste Materials:

Not available.

Avoid release to the environment.

13. TRANSPORT INFORMATION

DOT:

UN number:

UN1993

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UN proper shipping name Flammable liquid, n.o.s. (contains Isopropyl Alcohol)
Transport hazard class (es)
 Class 3
 Subsidiary risk -
 Label(s) 3
Packing group II
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

TDG Status:

UN number: UN1993
UN proper shipping name Flammable liquid, n.o.s. (contains Isopropyl Alcohol)
Transport hazard class (es)
 Class 3
 Subsidiary risk -
 Label(s) 3
Packing group II
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Water Transportation:

UN number: UN1993
UN proper shipping name Flammable liquid, n.o.s. (contains Isopropyl Alcohol)
Transport hazard class (es)
 Class 3
 Subsidiary risk -
 Label(s) 3
Packing group II
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Air Transportation:

UN number: UN1993
UN proper shipping name Flammable liquid, n.o.s. (contains Isopropyl Alcohol)
Transport hazard class (es)
 Class 3
 Subsidiary risk -
 Label(s) 3
Packing group II
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

International Inventories:

TSCA Yes
DSL Yes

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

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

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Canadian Regulations:

Canadian WHMIS Classification:
Class B-2 Flammable Liquid.
Class D 2 B Toxic material causing other toxic effects.

US Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Product not regulated.

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act): not listed.

CERCLA: not listed.

US State Regulations:

California Proposition 65

No ingredients listed.

US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Isopropyl Alcohol	X	X	X	no	no

HMIS III Rating

Health: 1

Flammability: 3

Physical: 0

Personal Protection: B

16. OTHER INFORMATION

Prepared By: Lizmar
32 Louisa Street
Etobicoke, Ontario, Canada M8V 2K6

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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