

SAFETY DATA SHEET

Imperial Manufacturing Inc. Imperial Gas Fireplace Glass Cleaner KK0044

Issuing Date: November 7, 2019

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

Product Identifier:

Product Name Imperial Gas Fireplace Glass Cleaner KK0044

Other Identification Means:

Synonyms None

Use of Substance/Preparation and Restrictions:

Recommended Use: Imperial Gas Fireplace Glass Cleaner

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

www.imperialgroup.ca

Company Emergency Telephone Number 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:

The product contains no substances which at given concentration, are considered to be hazardous to health.

Appearance: Beige

Physical State: Opaque Liquid

Odour: Typical

Label Elements

GHS Labeling

Flammable Liquids Category 3 H226

Skin Corrosion/Irritation Category 2 H315

Serious Eye Damage/Eye Irritation Category 2A H319

Specific Target Organ Toxicity, Single exposure, Narcotic effects, Category 3 H336

Hazard Pictograms (GHS):



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Signal Word (GHS): Warning

Hazard Statements (GHS):

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary Statements (GHS) - Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof (electrical/ventilating/lighting) equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P261: Avoid breathing fume, vapours, spray.

P264: Wash hands thoroughly after handling.

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

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

Precautionary Statements (GHS) - Response:

P302+P352 IF ON SKIN: Wash with plenty of water.

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

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

P312: Call a POISON CENTER/doctor if you feel unwell.

P321: Specific treatment (see first aid on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire: Use water spray, CO₂, foam or dry chemical for extinction.

Precautionary Statements (GHS) - Storage:

P403+P233 Store in a well-ventilated area. Keep container tightly closed.

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

P405 Store locked up.

Precautionary Statements (GHS) - Disposal:

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified (HNOC):

Static accumulating liquid can become electrostatically charged even in bonded grounded equipment.

Sparks may ignite liquid and vapour may cause flash fire.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description:

Chemical

Ingredient	CAS #	% by Wt	Trade Secret
Stoddard Solvent	8052-41-3	10-30	*
Monoisopropanolamine	78-96-6	1-5	*

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Isopropyl Alcohol	67-63-0	1-5	*
Morpholine	110-91-8	0.5-1.5	*
Silica, Amorphous*	68855-54-9	3-7	*

* May contain up to 44% crystalline silica
Cristobalite CAS# 14464-46-1
Quartz CAS# 14808-60-7

* 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:

Exposures to high concentrations of vapours may cause irritation to the eyes, nose and throat. Inhalation may cause nausea and dizziness. Skin contact may cause irritation with redness and swelling. Eye contact may cause irritation with redness and tearing.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Water Jet.

Specific Exposure Hazards

Elevated temperatures can lead to the formation of irritating vapours. Decomposing products may include: CO and CO₂. This product is a static accumulating liquid. Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapour may cause flash fire.

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.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

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: Stop leak if safe to do so without risk. Remove all sources of ignition. Absorb with synthetic or natural absorbent and dispose in a fireproof container.

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: Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear gloves and safety glasses when handling. Wash hands thoroughly after handling. Eliminate all sources of ignition. Use non-sparking tools.

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.
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 a dry, cool and well-ventilated area. Keep containers tightly closed. Keep away from incompatible materials. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material,

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines	Chemical Name	ACGIH® TLV®			OSHA PEL
		TWA	STEL	TWA	
	Stoddard Solvent	100 ppm	Not available	500 ppm, 2900 mg/m3	Not available
	Monoisopropanolamine	Not available			Not available
	Isopropyl Alcohol	200 ppm	400 ppm	400 ppm, 980 mg/m3	Not available
	Morpholine	20 ppm	Not available	20 ppm, 70 mg/m3	30 ppm, 105 mg/m3

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Opaque Liquid.	Odour	Typical
Appearance	Viscous liquid	Odour Threshold	No information available.
Colour	Beige		

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<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH 10 % solution	10.0-11.5	None known
Melting/Freezing Point	No data available	None known
Boiling Point/Range	Not data available	None known
Flash Point	42 C	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	0.985 – 0.995 g/cc	
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: X Inhalation X Skin Contact X Eye Contact X Ingestion

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:

LC50

Stoddard Solvent: >5 mg/l, 4hr mist, Inhalation (Rat)
Monoisopropanolamine: Not available
Isopropyl Alcohol: >10000 ppm, 6hr vapour, Inhalation (Rat)
Morpholine: 8 mg/l, Inhalation (Rat)

LD50 (oral)

Stoddard Solvent: >5000 mg/kg, Oral (Rat)
Monoisopropanolamine: 2813 mg/kg, Oral (Rat)
Isopropyl Alcohol: 5840 mg/kg, Oral (Rat)
Morpholine: 1910 mg/kg, Oral (Rat)

LD50 (dermal)

Stoddard Solvent: >2000 mg/kg, Dermal (Rabbit)
Monoisopropanolamine: 1851 mg/kg, Dermal (Rabbit)
Isopropyl Alcohol: >12800 mg/kg, Dermal (Rabbit)
Morpholine: 500 mg/kg, Dermal (Rabbit)

Skin Corrosion / Irritation

May cause skin irritation with redness and swelling.

Serious Eye Damage / Irritation

May cause eye irritation with redness and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalations of high concentrations are irritating to the eyes and respiratory tract. It may cause headaches, dizziness, drowsiness and CNS depression.

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

Chemical Name	IARC	ACGIH®	OSHA
Stoddard Solvent	Not Listed	Not Listed	Not Listed
Monoisopropanolamine	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol	Group 3	A4	Not available
Morpholine	Group 3	A4	Not available

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

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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

Contaminated Packaging: California Hazardous Waste Codes

Dispose of contents/containers in accordance with local regulations.

Not available.

Ecology – Waste Materials:

Avoid release to the environment.

14. TRANSPORT INFORMATION

DOT:

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

TDG

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

MEX

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

ICAO

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

IATA:

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

IMDG/IMO:

UN 1268
Petroleum Distillates, N.O.S.
Naphtha Solvent
Class3
PG III

RID

Not Regulated

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ADR
ADN

Not Regulated
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 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	2	2	0	n/a	X
HMIS	2	2	n/a	0	B

HMIS III Rating

Health: 2 Hazard
Flammability: 2 Hazard
Physical: 0 Minimal Hazard
Personal Protection: B

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: November 7, 2019

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.

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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