



SAFETY DATA SHEET

Imperial Manufacturing Group

Satin Black-High Temp Stove Paint

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

Product Identifier:

Product Name Stain Black-High Temp Stove Paint

Other Identification Means:

Part # KK0332 Canada
KK0197 USA

Use of Substance/Preparation and Restrictions:

Recommended Use: Coating
Uses Advised Against: No information available.

SDS Supplier Details:

Company Name: Imperial Manufacturing Group Inc.

Company Identification: 40 Industrial Park Street
Richibucto, N.B.
Canada
E4W 4A4
www.imperialgroup.ca

Company Emergency Telephone Number Canada: 1-800-561-3100
USA: 1-800-361-3596

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 substances which at given concentrations, are considered to be hazardous to health.

Appearance: Black

Physical State: Liquid (Aerosol)

Odour: Solvent

GHS Labeling:

Flammable Aerosol Category 1 H222
Gases Under Pressure Compressed Gas H280
Aspiration Hazard Category 1 H304
Skin Corrosion/Irritation Category 2 H315
Serious Eye Damage/Eye Irritation Category 2A H319
STOT Single Exposure Narcotic Effects Category 3 H336
Carcinogenicity Category 1A H350
Reproductive Toxicity Category 1A H360
STOT Repeated Exposure Category 1 H372



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Signal Word (GHS):

Danger

Hazard Pictograms (GHS):



Hazard Statements (GHS):

H222: Extremely flammable aerosol.
H280: Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H350: May cause cancer.
H360: May damage fertility or the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements (GHS) - Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flame and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurized Container. Do not pierce or burn, even after use.
P260: Do not breathe dust/fume/gas/mist/vapor/spray.
P264: Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (GHS) - Response:

P301 + P310 +P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314: Get medical advice/attention if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash before reuse.



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Precautionary Statements (GHS) - Storage:

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

P405: Store locked up.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary Statements (GHS) - Disposal:

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

Other Information:

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Acetone	678-64-1	10-30	*
Propane	74-98-6	10-30	*
Isobutane	106-97-8	10-30	*
Toluene	108-88-3	5-10	*
Manganese Ferrite Black Spinel	68186-94-7	1-5	*
Xylene	1330-20-7	1-5	*
Dimethyl Carbonate	616-38-6	1-5	*
Denatured Ethanol	Mixture	1-5	*
Mineral Spirits	8052-41-3	1-5	*
Copper Chromite Black Spinel	68186-91-4	1-5	*
Ethyl Benzene	100-41-4	0.1-1.0	*
2-Butoxyethanol	111-76-2	0.1-1.0	*
Carbon Black	1333-86-4	0.1-1.0	*
Amorphous Silica	63231-67-4	0.1-1.0	*
Zinc Carboxylate	136-53-8	0.1-1.0	*

Composition Comments: Other components are not hazardous or are below required disclosure limits.

* 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 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists, get medical attention.

Skin Contact:

Thoroughly wash the exposed skin with soap and water. Remove any contaminated clothing and wash before reusing. If skin irritation persists, get medical attention.



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Inhalation:	Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. 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:	Skin irritation. Serious eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness. Ingestion may cause nausea, vomiting and diarrhea. May cause damage to lungs, brain, and central nervous system through prolonged or repeated exposure via inhalation. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. Suspected of causing cancer.
Indication of immediate medical attention and special treatment needed:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, CO ₂ , extinguishing powder, foam.
Unsuitable Extinguishing Media	Do not use a heavy water stream as it may scatter and spread the fire.
Specific Exposure Hazards	Extremely flammable aerosol. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. Closed containers may rupture when exposed to extreme heat. Air oxidation of this product may cause it to spontaneous combust. To avoid spontaneous combustion, prevent residue build-up and soak soiled rags, spray booth filter and overspray in a closed water filled metal container. Do not pressurize, cut, weld, drill, grind or expose containers to heat, flame, sparks, static electricity, or other sources of ignition as the container may explode.
Hazardous Combustion Products	Combustion may produce carbon dioxide and carbon monoxide.
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: Use personal protective equipment. Remove all sources of ignition.

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: Contain any spills with inert absorbent to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with inert 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: Use appropriate personal protection equipment (PPE).
Avoid inhalation, skin, and eye contact.
Ensure good ventilation/exhaustion at the workplace.
Keep away from sources of ignition.
No smoking.

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.
Avoid storage near extreme heat.

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): If exposure exceeds occupational limits (TLV value) wear air purifying respirator.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: No data available.



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Engineering Measures

Use only in well-ventilated areas. Exhaust ventilation if used indoors on a continuous basis.

Individual Protection Measures:

Eye protection:

Safety goggles/face shield. Chemical safety goggles should be worn when contact is possible.

Skin protection:

Use body-covering impervious clothing.

Hand protection:

Chemical resistant gloves.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use approved NIOSH aspirator.

Working hygiene:

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

Exposure Guidelines:

Chemical Name	TLV-TWA	TLV-STEL	PEL-TWA	PEL-Ceiling
Acetone	250 ppm	500 ppm	1000 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
Isobutane	N.E.	1000 ppm	N.E.	N.E.
Toluene	20 ppm	N.E.	200 ppm	300 ppm
Manganese Ferrite Black Spinel	0.1 mg/m ³	N.E.	N.E.	5 mg/m ³
Xylene	20 ppm	N.E.	100 ppm	N.E.
2-Butoxyethanol	20 ppm	20 ppm	240 ppm	N.E.
Copper Chromite Black Spinel	N.E.	N.E.	N.E.	5 mg/m ³
Ethyl Benzene	20 ppm	N.E.	100 ppm	N.E.
Denatured Ethanol	N.E.	N.E.	1900mg/m ³	N.E.
Carbon Black	3 mg/m ³	N.E.	3.5 mg/m ³	N.E.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State

Liquid

Appearance

Spray Aerosol

Odour

Solvent

Colour

Black

Odour Threshold

No information available.

Property

Values

Remarks/Method

pH

No data available

None known



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Melting/Freezing Point	No data available	None known
Boiling Point/Range	57 C	None known
Flash Point	-92.0 /C -133.6 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	Flammable	None known
Flammability Limit in Air:		
Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	1569-86 hPa estimate	None known
Vapour density	No data available	None known
Specific Gravity	No data available	
Water Solubility	No data available	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	No data available	None known
Temperature		
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	641.22 g/l coating 454.22 g/l material
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity:	Avoid contact with incompatibles.
Chemical Stability:	Stable at normal conditions of usage.
Possibility of Hazardous Reactions:	Will not occur.
Hazardous Polymerization:	Does not occur.
Conditions to avoid:	Avoid ignition sources, heat, sparks, open flame, direct sunlight, extremely high or low temperatures.
Incompatible materials:	Strong oxidizers
Hazardous Decomposition Products:	CO, CO ₂ , Hydrocarbons
Thermal Decomposition / Conditions to be avoided:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation

Inhalation of mist can cause drowsiness, damage to lungs, brain, and central nervous system.

Eye Contact

Direct contact causes irritation. May cause corneal injury.



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Skin Contact

May cause irritation, Prolonged or repeated contact may cause irritation, drying and cracking. May cause an allergic skin reaction with itching, redness and hives.

Ingestion

Harmful if swallowed. Will cause abdominal discomfort, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calculated for the formula	5000 mg/kg	2000 mg/kg	100 mg/l

Information on Toxicological Effects:

Symptoms None known

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

Skin Corrosion and Irritation

Serious Eye Damage and Irritation

Respiratory or Skin Sensitization

Mutagenic Effects

Carcinogenicity

Reproductive Toxicity

STOT- Single Exposure

STOT Repeated exposure

Chronic Toxicity

Target Organ Effects

Numerical Measures of Toxicity (based on GHS Chapter 3.1)

Xylene and Toluene cause skin irritation

Acetone causes serious eye irritation.

None known

None known

Toluene and Ethyl Benzene are listed as carcinogen

Toluene suspected of damaging the unborn child.

Toluene and Acetone may cause drowsiness or dizziness

Toluene may cause damage to organs through prolonged or repeated exposure

None known

None Known

ATE Oral – 18,318 mg/kg.

ATE Dermal – 10,212 mg/kg.

ATE Inhalation – 255 mg/kg

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

This material, as supplied, is a hazardous waste according to Federal regulations (40 CFR 261). It is the responsibility of the waste generator to determine the proper



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Contaminated Packaging: Ecology – Waste Materials:

waster identification and disposal method. Consult the appropriate state, regional, or local regulations for additional requirements.
Dispose of contents/containers in accordance with local regulations.
Avoid release to the environment.

14. TRANSPORT INFORMATION

TDG Status: Regulated material (limited quantity)

UN number: UN1950
UN proper shipping name AEROSOL Flammable.
Transport hazard class (es)
Class 2.1
Packing group Not applicable
Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.
Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks, and open flame. Avoid static electricity.

DOT: Regulated material (limited quantity)

UN number: UN1950
UN proper shipping name AEROSOLS Flammable
Transport hazard class (es)
Class 2.1
Packing group Not applicable
Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.
Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks, and open flame. Avoid static electricity.

IATA: Regulated material (limited quantity)

UN number: UN1950
UN proper shipping name AEROSOLS Flammable
Transport hazard class (es)
Class 2.1
Packing group Not applicable
Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.
Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks, and open flame. Avoid static electricity.

IMDG: Regulated material (limited quantity)

UN number: UN1950
UN proper shipping name AEROSOLS Flammable
Transport hazard class (es)
Class 2.1
Packing group Not applicable
Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.



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15. REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

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

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations:

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) - Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-BUTOXYETHANOL (CAS 111-76-2) Listed.

ACETONE (CAS 67-64-1) Listed.

BUTANE (CAS 106-97-8) Listed.

CHROMIUM COMPOUNDS (CAS N/A) Listed.

COPPER COMPOUNDS (CAS N/A) Listed.

DIMETHYL CARBONATE (CAS 616-38-6) Listed.

ETHYL BENZENE (CAS 100-41-4) Listed.

MANGANESE FERRITE BLACK SPINEL (CAS 68186-94-7) Listed.

PROPANE (CAS 74-98-6) Listed.

TOLUENE (CAS 108-88-3) Listed.

XYLENE (CAS 1330-20-7) Listed.

ZINC CARBOXYLATE (CAS 136-53-8) Listed.



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SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous Chemical: No (Exempt)

SARA 313 (TRI reporting):

Chemical name	CAS number	% by wt.
ETHYL BENZENE	100-41-4	0.92
MANGANESE FERRITE BLACK SPINEL	68186-94-7	2.84
TOLUENE	108-88-3	24.56
XYLENE	1330-20-7	4.92
CHROMIUM COMPOUNDS	N/A	1.0227
COPPER COMPOUNDS	N/A	1.0227

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

CHROMIUM COMPOUNDS (CAS N/A)

ETHYL BENZENE (CAS 100-41-4)

MANGANESE FERRITE BLACK SPINEL (CAS 68186-94-7)

TOLUENE (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

BUTANE (CAS 106-97-8)

PROPANE (CAS 74-98-6)

Safe Drinking Water Act (SDWA): Not regulated.

Drug Enforcement Administration (DEA):

List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

ACETONE (CAS 67-64-1) 6532

TOLUENE (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA) :

List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

ACETONE (CAS 67-64-1) 35 %WV

TOLUENE (CAS 108-88-3) 35 %WV

Drug Enforcement Administration (DEA) :

Exempt Chemical Mixtures Code Number

ACETONE (CAS 67-64-1) 6532

TOLUENE (CAS 108-88-3) 594

FEMA:

Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace



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ACETONE (CAS 67-64-1) Low priority
DENATURED ETHANOL (CAS Mixture) Low priority

US State Regulations:

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) :

2-BUTOXYETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
BUTANE (CAS 106-97-8)
CARBON BLACK (CAS 1333-86-4)
ETHYL BENZENE (CAS 100-41-4)
MINERAL SPIRITS (CAS 8052-41-3)
TOLUENE (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

California Proposition 65:



WARNING:

This product can expose you to chemicals including METHYL ISOBUTYL KETONE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

BENZENE (CAS 71-43-2) Listed: February 27, 1987
CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003
CRYSTALLINE QUARTZ SILICA (CAS 14808-60-7) Listed: October 1, 1988
CUMENE (CAS 98-82-8) Listed: April 6, 2010
ETHYL BENZENE (CAS 100-41-4) Listed: June 11, 2004
METHYL ISOBUTYL KETONE (CAS 108-10-1) Listed: November 4, 2011
California Proposition 65 - CRT: Listed date/Developmental toxin
BENZENE (CAS 71-43-2) Listed: December 26, 1997
METHYL ISOBUTYL KETONE (CAS 108-10-1) Listed: March 28, 2014
TOLUENE (CAS 108-88-3) Listed: January 1, 1991
California Proposition 65 - CRT: Listed date/Male reproductive toxin
BENZENE (CAS 71-43-2) Listed: December 26, 1997

HMIS III Rating

Health: 3 Hazard
Flammability: 4 Serious Hazard
Physical: 1 Hazard
Personal Protection: B



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SDS (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Technical Dept.

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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