Masterchem Industries LLC

SECTION 1 : IDENTIFICATION

Product Name:	**Hammerite® Hammered Deep Green Aerosol**
Product Code:	41165
SDS Manufacturer Number:	41165
Manufacturer Name:	Masterchem Industries LLC
Address:	3135 Old Highway M Imperial, MO 63052-2834
General Phone Number:	(636) 942-2510
General Fax Number:	(636) 942-3663
Customer Service Phone Number:	(800) 325-3552
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)
SDS Creation Date:	August 30, 2006
SDS Revision Date:	December 23, 2015
(M)SDS Format:	

SECTION 2 : HAZARD(S) IDENTIFICATION

GHS Pictograms:

Signal Word: Danger.

GHS Class:
Flammable Aerosol
Compressed gases under pressure
Aspiration Hazard, Category 1.
Eye Irritant, Category 2.
Specific Target Organ Toxicity, Single Exposure, Category 3.
Acute Inhalation Toxicity, Category 4

Hazard Statements:
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation, drowsiness or dizziness.

Precautionary Statements:
DO NOT use this product unless you can achieve cross-ventilation by opening windows and doors during application and drying or use the product outdoors.
Do not spray on an open flame or other ignition source.
Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors, high intensity lights and other sources of ignition during use and until all vapors are gone.
Pressurized container: Do not pierce or burn, even after use.
Wear protective clothing, gloves, eye, and face protection.
Do not breathe vapors or spray mist.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
Do not expose to temperatures exceeding 50°C/122°F.
Store locked up in a cool, well-ventilated place, protected from sunlight.
Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal, and provincial regulations.
If in eyes: Rinse cautiously with water for several minutes and remove contacts if present and easy to do. Continue rinsing and get medical attention if eye irritation persists.
If on skin or hair: Wash with plenty of soap and water. Wear protective gloves and eye protection.
If inhaled: Leave the area if you experience headaches, drowsiness or dizziness to obtain fresh air and keep at rest in a position comfortable for breathing. If difficulty continues, get medical attention immediately.
If swallowed: Do not induce vomiting and get medical attention immediately.

Emergency Overview: DANGER! Flammable. Harmful if swallowed. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Harmful if inhaled. Inhalation of vapors may cause drowsiness and dizziness. Irritant.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

- Eye: Causes severe eye irritation and possible injury.
- Skin: Causes skin irritation.
- Inhalation: Harmful if inhaled. Inhalation of vapors may cause drowsiness and dizziness. Prolonged or excessive inhalation may cause respiratory tract irritation.
- Ingestion: Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis that can be fatal.

Chronic Health Effects: Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).
Repeated or prolonged inhalation may cause toxic effects.

Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Acetone	67-64-1	30-60 by weight	
Propane	74-98-6	10-30 by weight	
N-Butane	106-97-8	5-10 by weight	
Xylene	1330-20-7	5-10 by weight	
Light Aromatic Solvent Naphtha	64742-95-6	1-5 by weight	
Ethyl benzene	100-41-4	1-5 by weight	

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties:	Flammable liquid.
Flash Point:	-156°F (-104°C)
Flash Point Method:	None.
Auto Ignition Temperature:	Not applicable.
Lower Flammable/Explosive Limit:	0.8% by volume
Upper Flammable/Explosive Limit:	12.8% by volume
Fire Fighting Instructions:	Flammable. Cool fire-exposed containers using water spray.
Extinguishing Media:	Use dry chemical, carbon dioxide to extinguish small fires. Use water for large fires.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	4
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment:	Place leaking cans in a container such as an open pail or plastic bag if safe to do so and let the the gas and pressure dissipate. Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation. Eliminate all ignition sources including those beyond the immediate spill area if safe to do so.
Methods for cleanup:	Clean up spills immediately observing precautions in the protective equipment section. Collect spill with a non-sparking tool. Place into a suitable container for disposal. Take precautionary measures against static discharges. After removal, flush spill area with soap and water to remove trace residue.

SECTION 7 : HANDLING and STORAGE

Handling:	**DO NOT** use this product unless you can achieve cross-ventilation by opening windows and doors during application and drying or use the product outdoors. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
Special Handling Procedures:	Do not reuse containers without proper cleaning or reconditioning.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
PPE Pictograms:	

Acetone :

Guideline ACGIH:	TLV-TWA: 500 ppm TLV-STEL: 750 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm

Propane :

Guideline ACGIH:	TLV-TWA: 1000 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm

N-Butane :

Guideline ACGIH:	TLV-TWA: 1000 ppm

Xylene :

Guideline ACGIH:	TLV-TWA: 100 ppm TLV-STEL: 150 ppm
Guideline OSHA:	OSHA-TWA: 100 ppm

Ethyl benzene :

Guideline ACGIH:	TLV-TWA: 100 ppm TLV-STEL: 125 ppm
Guideline OSHA:	OSHA-TWA: 100 ppm

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Aerosol.
Color:	Green.
Odor:	Solvent.
Odor Threshold:	Not applicable.
Boiling Point:	>99°F (>37°C)
Melting Point:	Not applicable.
Density:	7.0 - 8.0
Solubility:	Not applicable.
Vapor Density:	Not applicable.
Vapor Pressure:	Not applicable.
Evaporation Rate:	Not applicable.
pH:	Not applicable.
Viscosity:	Not applicable.
Coefficient of Water/Oil Distribution:	Not applicable.
Flammability:	Water thin

Flash Point:	-156°F (-104°C)
Flash Point Method:	None.
Auto Ignition Temperature:	Not applicable.
VOC Content:	MIR < 1.4

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acetone :

Eye:	Eye - Rabbit; Standard Draize test. : 10 uL - mild (RTECS)
Skin:	Skin - Guinea pig; LD50: >9400 uL/kg - Details of toxic effects not reported other than lethal dose value. (RTECS)
Inhalation:	Inhalation - Rat LC50: 50100 mg/m3/8H - [Details of toxic effects not reported other than lethal dose value Inhalation - Mouse LC50: 44 gm/m3/4H - Details of toxic effects not reported other than lethal dose value. (RTECS)
Ingestion:	Ingestion - Rat LD50: 5800 mg/kg - Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor Ingestion - Mouse LD50: 3 gm/kg - [Details of toxic effects not reported other than lethal dose value. (RTECS)

N-Butane :

Inhalation:	Ingestion - Rat LC50: 658000 mg/m3/4H - [Details of toxic effects not reported other than lethal dose value] (RTECS)

Xylene :

Eye:	Eye - Rabbit; Standard Draize test. : 87 mg; mild. Eye - Rabbit; Standard Draize test. : 5 mg/24H; severe. (RTECS)
Skin:	Skin - Rabbit; Standard Draize test. : 100%; Moderate. Skin - Rabbit; Standard Draize test. : 500 mg/24H; Moderate. (RTECS)
Inhalation:	Inhalation - Rat LC50: 5000 ppm/4H; Details of toxic effects not reported other than lethal dose value (RTECS)
Ingestion:	Ingestion - Rat LD50: 4300 mg/kg; Liver - Other changes Kidney, Ureter, Bladder - Other changes Ingestion - Mouse LD50: 2119 mg/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans.

Light Aromatic Solvent Naphtha :

Eye:	Eye - Rabbit; Standard Draize test. : 100 uL/24H; mild. (RTECS)
Ingestion:	Ingestion - Rat LD50: 8400 mg/kg; Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lungs, Thorax, or Respiration - Other changes (RTECS)

Ethyl benzene :

Eye:	Eye - Rabbit; Standard Draize test. : 500 mg; severe. (RTECS)
Skin:	Skin - Rabbit; Open irritation test: 15 mg/24H; mild . (RTECS)
Inhalation:	Inhalation - Rat LC50: 55000 mg/m3/2H; Details of toxic effects not reported other than lethal dose value . (RTECS)
Ingestion:	Ingestion - Rat LD50: 3500 mg/kg; Liver - Other changes Kidney, Ureter, Bladder - Other changes . (RTECS)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Aerosols, flammable.
DOT UN Number:	1950
DOT Hazard Class:	2.1
DOT Packing Group:	Not applicable.
DOT Exemption:	Not applicable.
IATA Shipping Name:	Aerosol. Flammable.
IATA UN Number:	1950
IATA Hazard Class:	2.1
IATA Packing Group:	Not applicable.
Canadian Shipping Name:	Aerosol.
Canadian UN Number:	1950
Canadian Hazard Class:	2.1
Canadian Packing Group:	Not applicable.
IMDG UN NUmber :	1950
IMDG Shipping Name :	Aerosol.
IMDG Hazard Class :	2.1
IMDG Packing Group :	Not applicable.
Marine Pollutant:	Not applicable.
ADR UN Number:	1950
ADR Shipping Name :	Aerosol.
ADR Hazard Class:	2
ADR Packing Group :	Not applicable.

SECTION 15 : REGULATORY INFORMATION

Acetone :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Propane :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the Pennsylvania State Hazardous Substances List. Listed in the New Jersey State Right to Know List.
Canada DSL:	Listed

N-Butane :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the Pennsylvania State Hazardous Substances List. Listed in the New Jersey State Right to Know List.
Canada DSL:	Listed

Xylene :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Light Aromatic Solvent Naphtha :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Ethyl benzene :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard:	1
HMIS Fire Hazard:	3
HMIS Reactivity:	1
HMIS Personal Protection:	X

SDS Creation Date:	August 30, 2006
SDS Revision Date:	December 23, 2015
MSDS Revision Notes:	GHS Pictogram Update
SDS Format:	
MSDS Author:	Actio Corporation

Disclaimer:

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