



A Milacron Company

Dear Customer:

Enclosed is the **REVISED** Material Safety Data Sheet for our product:

D-M-E MOLD CLEANER AEROSOL

The products we distribute are not normally hazardous in their natural state. However, steel does contain elements deemed by OSHA to be hazardous when released by manufacturing, such as brazing, burning, grinding, sawing or welding, etc. Failure to control dust and fumes can result in chronic health problems.

We believe the information, supplied by the Manufacturer, on the enclosed MSDS to be accurate; however, D-M-E makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability for the information so presented.

Should you require additional information, please call or write the Manufacturer listed on the MSDS.

Sincerely yours,

D-M-E Company
Director of Operations
Ken Jasina

November 2011



Material Safety Data Sheet

Mold Cleaner Aerosol

1. Chemical Product and Company Identification

Product Name	Mold Cleaner Aerosol	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Ven Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
1,2,4-Trimethylbenzene	85-63-6	<1	TLV: 25 ppm PEL: N/E STEL: N/E Other: N/E
Carbon Dioxide (Propellant)	124-38-9	1-10	TLV: 5000 ppm PEL: 10,000 ppm STEL: 30,000 ppm Other: N/E
Hexylene Glycol	107-41-5	1-10	TLV: 25 ppm - ceiling PEL: N/E STEL: N/E Other: N/E
Kerosene	8008-20-8	30-80	TLV: N/E PEL: N/E STEL: N/E Other: 100 mg/m ³
Mineral Oil	64741-45-3 64741-97-5 64742-54-7	1-10	TLV: 5 mg/m ³ as oil mist PEL: 5 mg/m ³ as oil mist STEL: 10 mg/m ³ as oil mist Other: N/E
Stoddard Solvent	8052-41-3	10-30	TLV: 100 ppm PEL: 500 ppm STEL: N/E Other: NIOSH: 350 mg/m ³

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation



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3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	OVEREXPOSURE IS UNLIKELY SINCE OPERATOR CONTROLS VALVE. SPRAY IN EXCESS OF TLVS MAY CAUSE DIZZINESS OR NAUSEA.
Eye	MAY CAUSE IRRITATION.
Skin	MAY BE SLIGHT IRRITANT TO SENSITIVE SKIN ON PROLONGED CONTACT.
Ingestion	N/A.
Carcinogenicity	NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT GREATER THAN 0.1% IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Medical Conditions Aggravated by Long Term Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	2
Reactivity	0
Personal Protection	X

4. First Aid Measures

Inhalation	REMOVE TO SOURCE OF FRESH AIR.
Eye Contact	FLUSH WITH WATER 15 MINUTES, CONSULT PHYSICIAN.
Skin Contact	WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSING.
Ingestion	N/A
Note to Physicians	NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable



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5. Fire Fighting Measures

Flash Point	104°F
Method Used	PMCC
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	USE CARBON DIOXIDE, FOAM, DRY CHEMICAL
Unusual Fire or Explosion Hazards	AEROSOL CANS UNDER PRESSURE; EXCESSIVE HEAT DUE TO FIRE MAY CAUSE RUPTURE OR EXPLOSION OF CANS.
Fire Fighting Instructions	SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE
NFPA:	
Health	1
Flammability	2
Reactivity	0
Special	

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

6. Accidental Release Measures

Spill or Release Procedures PROVIDE VENTILATION. KEEP AWAY FROM ALL SOURCES OF IGNITIONS. APPLY DRY ABSORBENT MATERIAL TO SOAK UP ANY LIQUIDS RELEASED FROM CANS.

7. Handling and Storage

Handling Precautions USE WITH ADEQUATE VENTILATION. DO NOT SPRAY NEAR OPEN FLAMES OR SPARKS. WASH THOROUGHLY AFTER HANDLING.

Storage Requirements STORE IN COOL AREA.



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B. Exposure Controls/Personal Protection

Engineering Controls	MECHANICAL FORCED VENTILATION IS PREFERRED.
Personal Protective Equipment	
Eye/Face Protection	SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHEILDS.
Skin Protection	RUBBER IF SKIN IS SENSITIVE.
Respiratory Protection	REQUIRED WHEN THE EXPOSURE LIMITS IN SECTION 2 ARE EXCEEDED.
Other	EYE WASH AND SAFETY SHOWER RECOMMENDED.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

9. Physical and Chemical Properties

Appearance	CLEAR DARK LIQUID	pH (Neat)	N/A
Odor	SLIGHT WINTERGREEN	Water Solubility	INSOLUBLE
Vapor Pressure (mmHg)	N/A	Boiling Point	N/A
Vapor Density (Air = 1)	N/D	Freezing/ Melting Point	N/D
Specific Gravity (Water = 1)	0.83	Evaporation Rate (BuAc = 1)	N/D

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	STRONG OXIDIZERS
Hazardous Decomposition Products	THERMAL; OXIDES OF CARBON
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.



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11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

Disposal	DO NOT PUNCTURE OR INCINERATE. FOLLOW PERTINENT REGULATIONS FOR DISPOSAL.
RCRA Hazardous Waste Number	N/A

14. Transportation Information

Proper Shipping Name	CONSUMER COMMODITY
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15. Regulatory Information

TSCA Section 8(b)	ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.
CERCLA Reportable Quantity	NONE
SARA Title III, Section 313	THIS PRODUCT CONTAINS NO TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.
Ozone Depleting Substances	THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.



Houghton International Inc.

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16. Other Information

Prepared By

GARY CARL

Title

MANAGER, PRODUCT SAFETY

Disclaimer: The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, Houghton International makes no warranty regarding the accuracy of such data or its suitability for any purchaser's use or for any consequence of its use. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. Houghton International assumes no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.