



A Milacron Company

Dear Customer:

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

D-M-E MOLD NON AEROSOL MOLD CLEANER

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

June 2011



Houghton International Inc.

Revision Date 06/01/11

Material Safety Data Sheet

Mold Cleaner Gallons

1. Chemical Product and Company Identification

Product Name	COSMOLINE SPRAY (BASE)	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van 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	95-63-6	<1	TLV: 25 ppm PEL: N/E STEL: N/E 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	30-60	TLV: 200 mg/m ³ (vapor) 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	AVOID BREATHING PRODUCT VAPORS. BREATHING VAPORS IN EXCESS OF THE TLV MAY CAUSE HEADACHE, DIZZINESS, OR NAUSEA.
Eye	MILD IRRITANT.
Skin	MAY HAVE DEFATTING EFFECT ON PROLONGED CONTACT.
Ingestion	NO SERIOUS EFFECTS KNOWN; MAY CAUSE NAUSEA.
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 LongTerm Exposure	PRE-EXISTING SKIN AND RESIRATORY CONDITIONS MAY BE AGGRAVATD BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	2
Reactivity	0

* indicates that there may be chronic health effects present

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 LAUNDER BEFORE REUSING.
Ingestion	DO NOT INDUCE VOMITING; CONSULT PHYSICIAN.



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4. First Aid Measures - continued

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

5. Fire Fighting Measures

Flash Point	104°F (PMCC)
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Unusual Fire or Explosion Hazards	VAPOR ACCUMULATION MAY FLASH AND/OR EXPLODE IF IGNITED.
Fire Fighting Instructions	USE SELF-CONTAINED RESPIRATOR EQUIPMENT.
NFPA:	
Health	1
Flammability	2
Reactivity	0
Special	N/A

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

6. Accidental Release Measures

Spill or Release Procedures PROVIDE VENTILATION. REMOVE SOURCES OF FLAME AND SPARKS. APPLY DRY OIL ABSORBENT TYPE MATERIAL AND SWEEP UP.



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7. Handling and Storage

Handling Precautions	AVOID CONTACT WITH STRONG OXIDIZERS. AVOID BREATHING VAPORS, USE WITH ADEQUATE VENTILATION.
Storage Requirements	STORE IN COOL, DRY AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

8. Exposure Controls/Personal Protection

Engineering Controls	EXHAUST TYPE PREFERRED, ESPECIALLY IN CONFINED SPACES.
Personal Protective Equipment	
Eye/Face Protection	SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	IMPERVIOUS GLOVES, OR USE BARRIER CREAMS.
Respiratory Protection	REQUIRED IF 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	Water Solubility	INSOLUBLE
Odor	SLIGHT PERFUMED ODOR.	Boiling Point	< 200°F
Vapor Pressure (mmHg)	6.0	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	4.5	Evaporation Rate (BuAc = 1)	N/D
Specific Gravity (Water = 1)	0.83		
pH (Neat)	N/A		

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



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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.

11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

Disposal	FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)
RCRA Hazardous Waste Number	D001 (IGNITABILITY)

14. Transportation Information

Proper Shipping Name	NON-BULK, GROUND: NOT HAZARDOUS; BULK: COMBUSTIBLE LIQUID, N.O.S.; AIR & INTERNATIONAL: PETROLEUM DISTILLATES, N.O.S., 3, UN 1268, III
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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.

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.