



# SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT

**Product Name:** H.M. Cleaner Moisture Eater II™ Wipes  
**Product Number:** C400-2551, C400-2364, C400-2538  
**Intended Use:** Cleaner

### COMPANY IDENTIFICATION

**Supplier:** Chance Company  
210 North Allen Street  
Centralia, Missouri U.S.A.

**Phone Number:** (573) 682-8465  
**24 Hour Emergency (INFOTRAC):** (800) 535-5053 (*US and Canada*)  
(352) 323-3500 (*International*)

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION

Health	Environmental	Physical
No Classifiable Hazards	No Classifiable Hazards	No Classifiable Hazards

### LABELLING

**Symbols:** None

**Signal Word:** WARNING

Hazard Statements	Precautionary Statements
<ul style="list-style-type: none"><li>H227: Combustible liquid</li><li>H302: Harmful if swallowed</li><li>Irritating to eyes</li><li>May cause skin irritation</li><li>May cause skin sensitization</li><li>Harmful: May cause lung damage if swallowed</li></ul>	

**Potential Health Effects:** See Section 11 for more information

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### MIXTURES.

Name	CAS#	Wt. Percentage*	Comments
Diacetone alcohol	123-42-2	60 -100	NIL
d-Limonene	5989-27-5	15 - 40	NIL

\* 0 - 25% material composition inclusive of inert and non-hazardous filler withheld as trade secret in accordance with paragraph 1910.1200(i)(1). Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of distributor and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.



## SECTION 4

## FIRST AID MEASURES

### DESCRIPTION OF NECESSARY FIRST AID MEASURES:

<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately
<b>Skin Contact:</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately
<b>General Advice:</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible)

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

**Note To Physicians:** Symptoms may not appear immediately  
See toxicological information (Section 11)

## SECTION 5

## FIRE FIGHTING MEASURES

<b>Flammability:</b>	Combustible by WHMIS criteria
<b>EXTINGUISHING MEDIA</b>	
<b>Suitable Extinguishing Media:</b>	Powder, water spray, foam, carbon dioxide
<b>Unsuitable Extinguishing Media:</b>	Not available
<b>Products of Combustion:</b>	May include, and are not limited to oxides of carbon
<b>Explosion Data:</b>	
<b>Sensitivity to Mechanical Impact:</b>	Not available
<b>Sensitivity to Static Discharge:</b>	Not available
<b>Protection of Firefighters:</b>	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition

### ENVIRONMENTAL PRECAUTIONS

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**Methods For Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE)

**Methods For Cleaning Up:** Scoop up material and place in a disposal container. Provide ventilation

**Other Information:** Not available

## SECTION 7

## HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**Advice on Safe Handling:** Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking



## CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage Conditions:** Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 54 °C / 130 °F

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

INGREDIENT	Exposure Limits ACGIH TLV
Diacetone alcohol	50 ppm
d-Limonene	Not available

### CONTROL PARAMETERS

**Appropriate Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits

### INDIVIDUAL PROTECTION MEASURES

**Eye/Face Protection:** None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities

**Hand Protection:** Wear suitable gloves

**Skin And Body Protection:** Wear suitable protective clothing

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

### APPEARANCE

**Appearance:** Wipe saturated with liquid

**Colour:** Colourless

**Odour:** Slight orange

**Odour Threshold:** Not available

**Physical State:** Liquid

**pH:** Not available.

**Viscosity:** Not available.

**Freezing Point:** Not available.

**Boiling Point:** ~ 135 - 177 °C (~ 275 - 350 °F)

**Flash Point:** ~ 44 °C (~ 111.2 °F) TAG Closed Cup [TCC]

**Evaporation Rate:** Not available

**Lower Flammability Limit:** 1.80%

**Upper Flammability Limit:** 7.20%

**Vapor Pressure:** < 1 mm Hg @ 20 °C / 68 °F

**Vapor Density:** 4.2 (Air = 1)

**Specific Gravity:** 0.89 @ 20 °C / 68 °F

**Solubility in Water:** >50% Miscible

**Coefficient of Water/Oil Distribution:** Not available

**Auto-ignition Temperature:** Not available

**Percent Volatile, wt. %:** 100% @ 21 °C (68 °F)

**VOC content, wt. g/L:** 890 g/L

## SECTION 10 STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal storage conditions. Keep in a cool place

**Conditions of Reactivity:** Heat. Incompatible materials

**Incompatible materials:** Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to oxides of carbon

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use

**SECTION 11****TOXICOLOGICAL INFORMATION****INFORMATION ON LIKELY ROUTES OF EXPOSURE:**

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation and ingestion

- Eye:** Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling
- Skin:** May cause skin irritation. May cause sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin
- Ingestion:** Not a normal route of exposure. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed
- Inhalation:** May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapors may cause drowsiness and dizziness

**Component Information:**

Ingredients	LD <sub>50</sub> (Oral)	LC <sub>50</sub>	Chemical Listed as Carcinogen or Potential Carcinogen *
Diacetone alcohol	4 g/kg, Rat	Not available	Not listed
d-Limonene	4400 mg/kg, Rat	Not available	I-3

\* See Section 15 for more information.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Vapours may cause drowsiness and dizziness

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system

**EFFECTS OF CHRONIC EXPOSURE:**

**Target Organs:** Not available

**Chronic Effects:** Not hazardous by WHMIS criteria

**Carcinogenicity:** Not hazardous by WHMIS criteria

**Mutagenicity:** Not hazardous by WHMIS criteria

**Reproductive Effects:** Not hazardous by WHMIS criteria

**Teratogenicity:** Not hazardous by WHMIS criteria

**Embryotoxicity:** Not hazardous by WHMIS criteria

**Respiratory Sensitization:** Not hazardous by WHMIS criteria

**Skin Sensitization:** Hazardous by WHMIS criteria

**Toxicologically Synergistic Materials:** Not available

**SECTION 12****ECOLOGICAL INFORMATION****Potential Environmental Effects:**

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**SECTION 13****DISPOSAL CONSIDERATIONS**

**Disposal Methods:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations



**SECTION 14 TRANSPORTATION**

Regulatory Information	UN Number	Proper Shipping Name	Transport Hazard Class	Packing Group	Additional Information
TDG	UN1993	Flammable Liquid, N.O.S. (Diacetone alcohol, d Limonene)	Class 3	III	Limited Quantity (≤ 5L)

**SECTION 15 REGULATORY INFORMATION**

**Federal Regulations:**

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

**Global Inventories:**

Ingredients	Canada DSL/NDSL
Diacetone alcohol	DSL
d-Limonene	DSL

**WHMIS Classification(s):**

- Class B3 - Combustible Liquid
- Class D2B - Skin Sensitization
- Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**



**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

ACGIH (G): American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen

IARC (I): International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N): National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

**SECTION 16 OTHER INFORMATION**

**HMIS - Hazardous Materials Identification System**

Health - 2                      Flammability - 2                      Physical Hazard - 0                      PPE - B

Product Name: H.M. Cleaner Moisture Eater II™ Wipes  
Revision Date: 13<sup>th</sup> October 2017  
Page 6 of 6



**NFPA - National Fire Protection Association:**

**Health – 2**

**Fire - 2**

**Reactivity – 0**

**Caution:** HMIS<sup>®</sup> and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

**Key to Abbreviations:**

ATE = Acute Toxicity Estimate  
BCF = Bio-concentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Code  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations  
TDG = Transportation of Dangerous Goods  
TSCA = 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 Chemical Substances/European 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

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