



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">H227: Combustible liquidH302: Harmful if swallowedIrritating to eyesMay cause skin irritationMay cause skin sensitizationHarmful: May cause lung damage if swallowed	

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:

Eye Contact:	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
Skin Contact:	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
Inhalation:	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
Ingestion:	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately
General Advice:	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

Flammability:	Combustible by WHMIS criteria
EXTINGUISHING MEDIA	
Suitable Extinguishing Media:	Powder, water spray, foam, carbon dioxide
Unsuitable Extinguishing Media:	Not available
Products of Combustion:	May include, and are not limited to oxides of carbon
Explosion Data:	
Sensitivity to Mechanical Impact:	Not available
Sensitivity to Static Discharge:	Not available
Protection of Firefighters:	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 ₅₀ (Oral)	LC ₅₀	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: 03rd November 2017
Page 6 of 6



NFPA - National Fire Protection Association:

Health – 2

Fire - 2

Reactivity – 0

Caution: HMIS® 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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