



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
<ul style="list-style-type: none"> Aspiration Hazard-Category 1 Specific Target Organ System Toxicity (STOT) - Repeated Exposure-Category 2 Specific Target Organ System Toxicity (STOT) - Single Exposure-Category 3 Skin Sensitization-Category 1 Eye Damage / Irritation-Category 2A Skin Corrosion / Irritation-Category 2 Flammable Liquid-Category 3 	No Classifiable Hazards	No Classifiable Hazards

LABELLING

Symbols:



Signal Word: DANGER

Hazard Statements	Precautionary Statements
<ul style="list-style-type: none"> H304 - May be fatal if swallowed and enters airways H373 - May cause damage to organs (kidney and liver) through prolonged or repeated exposure by inhalation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation 	<ul style="list-style-type: none"> P260: Do not breathe dust/fumes/gas/mist/vapors/spray P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves/protective clothing/eye protection/face protection P272: Contaminated work clothing should not be allowed out of the workplace



<ul style="list-style-type: none"> • H315 - Causes skin irritation • H226 - Flammable liquid and vapor 	<ul style="list-style-type: none"> • P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking • P241: Use explosion-proof electrical/ventilating/lighting/equipment • P242: Use only non-sparking tools. • P243: Take precautionary measures against static discharge • P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor • P331: Do NOT induce vomiting • P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower • P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing • P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing • P312: Call a POISON CENTER/ doctor, if you feel unwell • P332+313: If skin irritation occurs: Get medical advice/attention • P337+313: If eye irritation persists: Get medical advice/attention • P362+364: Take off contaminated clothing and wash it before reuse • P370: In case of fire: Use dry chemical, carbon dioxide or alcohol foam • P403+235: Store in a well-ventilated place. Keep cool • P501: Dispose of in accordance with local, regional and international regulations
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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 -80	NIL
d-Limonene	5989-27-5	20- 40	NIL

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:** Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. DO NOT use eye ointment. Seek medical attention immediately.
- Skin Contact:** Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. DO NOT use ointments. Seek medical attention if irritation persists.
- Inhalation:** Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.



Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. DO NOT leave victim unattended. Seek medical attention immediately.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible)

See toxicological information (Section 11)

SECTION 5 FIRE FIGHTING MEASURES

Products of Combustion: Carbon monoxide and carbon dioxide.

General Fire Hazards: Do not use on energized equipment. High heat will cause product to boil, evolving vapor that could cause explosive rupture of closed containers.

Firefighting Media:

Small Fire: Use DRY chemical powder.

Large Fire: Use CO₂, water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosions.

Sensitivity to Impact: None

Sensitivity to Static Discharge: None

Protection Clothing (Fire): Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles.

Explosion Hazards: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Evacuation Procedures: Ventilate area of leak or spill. Keep unnecessary and unprotected people away.

Methods for Containment: Small Spill and Leak: Eliminate ignition sources. Absorb with an inert material and dispose of properly.
Large Spill and Leak: Not applicable

Methods for Cleaning Up: Recover free product and place in a suitable container for disposal.

Other Information: Remove all sources of ignition. Ventilate area. Wear personal protective equipment during cleanup

SECTION 7 HANDLING AND STORAGE

Advice on Safe Handling: After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid skin and eye contact.

Storage Conditions: Keep container closed and in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F (49°C).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

INGREDIENT	CASRN	OSHA	ACGIH	NIOSH
Diacetone alcohol	123-42-2	50 ppm TWA	50 ppm TLV	50 ppm TWA
d-Limonene	5989-27-5	Not established	Not established	Not established

CONTROL PARAMETERS

Appropriate Engineering Controls: Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines listed above.



INDIVIDUAL PROTECTION MEASURES

Eye/Face Protection:	May cause redness or burning sensation if liquid concentrate gets into eyes. Wear safety glasses with side shields conforming to appropriate regulations.
Hand Protection:	Use chemically resistant nitrile gloves conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.
Skin and Body Protection:	Wear suitable protective clothing
Respiratory Protection:	Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection (i.e. organic vapor cartridge).
General Hygiene Considerations:	Wash thoroughly after handling. Have eye-wash facilities immediately available.

SECTION 9

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE

Appearance:	Liquid
Color:	Clear
Odor:	Slight orange
Evaporation Rate:	Not established
Solubility Description:	>50% in water
Flash Point:	40°C - 45°C (104°F - 113°F)
Initial Boiling Point And Boiling Range:	135 - 204°C (275 - 400°F)
Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	0.89 - 0.94 @ 20°C
Decomposition Temperature:	Not established
Vapor Density (air = 1):	4.2
Auto Ignition Temperature:	Not established
Vapor Pressure:	< 1.0 mm Hg @ 20°C
Flammable Limits (Estimated):	
LOWER:	1.8%
UPPER:	7.2%
Rule 1171 PpC:	< 1.0 mm Hg @ 20°C
Partition Coefficient (octanol/water):	-0.37
V.O.C. Content:	
Aerosol:	Not applicable
Bulk:	100%, 900 g/L, 7.2 lb/gal per CARB/OTC/EPA
Melting Point:	Not established
Viscosity:	< 14 cSt @ 25°C
pH:	Not applicable
Volatiles:	100%
Heat of Combustion:	
Aerosol:	Not applicable
Bulk:	> 30 kJ/g

SECTION 10

STABILITY AND REACTIVITY

Chemical stability:	Stable under normal storage conditions.
Conditions to Avoid:	Keep away from heat and ignition sources.
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility and combustion products include carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur.



SECTION 11 TOXICOLOGICAL INFORMATION

General: An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

Component Information:

Ingredients	LD ₅₀ (Oral)	LC ₅₀
Diacetone alcohol	4000 mg/kg (oral, rat) 4600 mg/kg (oral, rabbit) 13500 mg/kg (dermal, rabbit)	> 5000 mg/m ³ / rat*
d-Limonene	4400 mg/kg / oral / rat >5000 mg/kg/dermal/rabbit	Not established

* Supplier data

Signs and Symptoms: Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

Medical Conditions Aggravated by Exposure: Persons with pre-existing central nervous system (CNS) disease, neurological conditions, skin disorders, chronic respiratory diseases, or impaired liver or kidney function should avoid exposure.

Carcinogenic Effects:
 NTP: No
 IARC: No
 OSHA: No

Target Organs: None
Mutagenicity: None
Teratogenicity: None

SECTION 12 ECOLOGICAL INFORMATION

Potential Environmental Effects:

Mobility: Readily absorbed into soil

Persistence / Degradability: Biodegrades slowly

Bio accumulative Potential: None expected

Other Adverse Effects: None known

General: Ecological studies have not been conducted for this product. The following information is available for component(s) of this product.

Component	Test	Species	Results*
Diacetone Alcohol	96-hr LC ₅₀	Lepomis macrochirus	420000 µg/L
	24-hr LC ₅₀	Daphnia magna	9000000 µg/L
d-limonene	96-hr LC ₅₀	Oncorhynchus mykiss	35000 µg/L
	96-hr LC ₅₀	Pimephales promelas	966000 µg/L

*Supplier data

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Status: If disposed of in its received form, this item carries the waste code D001 (US).

Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.



SECTION 14 TRANSPORTATION

Regulatory Information	UN Number	Proper Shipping Name	Transport Hazard Class	Packing Group	Additional Information
DOT Ground	Not regulated	Not regulated	Not regulated	Not regulated	None
IMDG-IMO	UN1993	Flammable Liquid, N.O.S. (Diacetone alcohol, d Limonene)	Class 3	III	Labeling:3 Packing Instructions: P001, LP01 EmS: F-E, S-E Marine Pollutant: Yes
IATA - ICAO	UN1993	Flammable Liquid, N.O.S. (Diacetone alcohol, d Limonene)	Class 3	III	Labeling: Flammable Liquid Packing Instructions: Y344 (Ltd. Qty.), 355, 366 (CAO)

Note: The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.

SECTION 15 REGULATORY INFORMATION

U.S. Federal Regulations:

RCRA Hazardous Waste No.: None
Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): None
Toxic Substances Control Act (TSCA): All components of this product are TSCA inventory listed and/or are exempt.
Superfund Amendments and Reauthorization Act (SARA) Title III SARA Section 311/312 (40 CFR 370) Hazard Categories: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
Toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): None
Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.
California and OTC States: This product is not regulated by consumer product regulations.
New Jersey Right to Know: Diacetone alcohol 123-42-2 • d-limonene 5989-27-5

International Regulations

Canadian Environmental Protection Act (CEPA):
 All of the components of this product are included on the Canadian Domestic Substances list (DSL).
Canadian Workplace Hazardous Materials Information System WHMIS:
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification(s):

Bulk: Class B3 - Combustible Liquid
 Class D2B - Skin Sensitization

WHMIS Hazard Symbols:





Montreal Protocol Listed Ingredients: None
Stockholm Convention Listed Ingredients: None
Rotterdam Convention Listed Ingredients: None
RoHS Compliant: Yes

SECTION 16	OTHER INFORMATION
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HMIS - Hazardous Materials Identification System

Health - 1 **Flammability -Bulk - 2** **Physical Hazard -Bulk - 0**

NFPA - National Fire Protection Association:

Health – 1 **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