



Chance Moisture Eater II Liquid

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Issue date: 7/10/2020 Revision date: 5/25/2026 Version: 2.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Chance Moisture Eater II Liquid

1.2. Other means of identification

C4002364

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaner
Restrictions on use : None known

1.4. Supplier's details

Chance Company
210 North Allen Street
Centralia, Missouri 65240
U.S.A.
T (573)682-8465

1.5. Emergency phone number

Emergency number : 800-535-5053 or 352-323-3500 INFOTRAC 24-hour service

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3	H226	Flammable liquid and vapor.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361	Suspected of damaging the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) :
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation

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Precautionary statements (GHS US)	H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation H361 - Suspected of damaging the unborn child. H400 - Very toxic to aquatic life H412 - Harmful to aquatic life with long lasting effects
	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment. P241 - Use explosion-proof electrical, lighting, ventilating equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing vapors. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing must not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, protective gloves. P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor. P331 - Do NOT induce vomiting. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P333+P313 - If skin irritation or rash occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER, a doctor if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical attention. P308+P313 - If exposed or concerned: Get medical advice/attention. P370+P378 - In case of fire: Use carbon dioxide (CO2), BC-powder, alcohol resistant foam, Water fog to extinguish. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents and/or container to an approved waste disposal plant.

2.3. Hazards associated with known or reasonably anticipated uses

None known

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : None known.

2.5. Unknown acute toxicity

No additional information available

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SECTION 3 Composition/information on ingredients

Mixtures

Name	Product identifier	Conc. (% w/w)
Diacetone alcohol	CAS-No.: 123-42-2	60 – 80
D-Limonene	CAS-No.: 5989-27-5	20 – 40

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Call a poison center or a doctor if you feel unwell. Move the affected person to fresh air.
First-aid measures after skin contact : Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
First-aid measures after ingestion : Do not induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms/effects, acute and delayed

Inhalation : May cause respiratory irritation.
Skin : May cause an allergic skin reaction. Causes skin irritation.
Eyes : Causes serious eye irritation.
Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. May be fatal if swallowed and enters airways.
Chronic symptoms : Suspected of damaging the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Aspiration hazard. If accidentally swallowed obtain immediate medical attention. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray or alcohol-resistant foam.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Explosion hazard : vapors may form explosive mixture with air.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate all ignition sources. Ventilate spillage area.
- For non-emergency personnel**
- Emergency procedures : Keep unnecessary and unprotected personnel away from the spillage.
- For emergency responders**
- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
- Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Absorb with an inert material and place in an appropriate waste disposal container.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Empty containers retain product residue and can be hazardous. Handle uncleaned empty containers as full ones.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store product sealed in the original container, away from heat and out of direct sunlight.
- Incompatible materials : Strong oxidizers.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Diacetone alcohol (123-42-2)	
USA - ACGIH® - Threshold Limit Values	
Local name	Diacetone alcohol
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2024

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Diacetone alcohol (123-42-2)	
USA - OSHA - Occupational Exposure Limits	
Local name	Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)
OSHA PEL (TWA)	240 mg/m ³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls	: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear impervious gloves. Consult supplier for specific recommendations.
Eye protection:
Chemical goggles
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear. Liquid.
Color	: Colourless
Odor	: Citrus-like
Odor threshold	: No data available
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 137°C (278°F)
Flash point	: 44°C (111°F)
Flammability (solid, gas)	: Flammable liquid and vapor.
Vapor pressure	: < 1 mm Hg @ 20°C
Relative vapor density at 20°C	: 4.2
Relative density	: 0.89 – 0.94 @ 20°C
Solubility	: Water: > 50 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 14 mm ² /s @ 25°C
Explosion limits	: Lower explosion limit: 1.8 Vol-% Upper explosion limit: 7.2 Vol-%

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Explosive properties : None.
Oxidizing properties : None.
Particle characteristics : Particle characteristics : Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : 100 %
Heat of combustion : > 30 kJ/g

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Diacetone alcohol (123-42-2)	
LD50 oral rat	3002 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2738 - 3290
LD50 dermal rat	> 1875 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
D-Limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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D-Limonene (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: May cause respiratory irritation.
Diacetone alcohol (123-42-2)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Diacetone alcohol (123-42-2)	
LOAEL (oral, rat, 90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapor, 90 days)	≥ 4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Aspiration hazard	: May be fatal if swallowed and enters airways.
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Viscosity, kinematic	< 14 mm ² /s @ 25°C
Inhalation	: May cause respiratory irritation.
Skin	: May cause an allergic skin reaction. Causes skin irritation.
Eyes	: Causes serious eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. May be fatal if swallowed and enters airways.
Chronic symptoms	: Suspected of damaging the unborn child.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Diacetone alcohol (123-42-2)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	> 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
D-Limonene (5989-27-5)	
LC50 - Fish [1]	720 µg/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	0.307 mg/l Daphnia magna (Water flea)

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D-Limonene (5989-27-5)	
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	0.32 mg/l Raphidocelis subcapitata
NOEC (chronic)	0.153 mg/l Daphnia magna (Water flea)
NOEC chronic fish	0.37 mg/l
NOEC chronic algae	0.174 mg/l

12.2. Persistence and degradability

Chance Moisture Eater II Liquid	
Persistence and degradability	No additional information available.
Diacetone alcohol (123-42-2)	
Persistence and degradability	Rapidly degradable
D-Limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

D-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Kow)	4.38

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
NA1993	UN1993	1993	1993
14.2. Proper Shipping Name			
Combustible liquid, n.o.s. (Diacetone alcohol ; D-Limonene)	FLAMMABLE LIQUID, N.O.S. (Diacetone alcohol ; D-Limonene)	FLAMMABLE LIQUID, N.O.S. (Diacetone alcohol ; D-Limonene)	Flammable liquid, n.o.s. (Diacetone alcohol ; D-Limonene)

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DOT	TDG	IMDG	IATA
Transport document description			
NA1993 Combustible liquid, n.o.s. (Diacetone alcohol ; D-Limonene), Comb Liq, III	UN1993 FLAMMABLE LIQUID, N.O.S. (Diacetone alcohol ; D-Limonene), 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S. (Diacetone alcohol ; D-Limonene), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (40°C c.c.)	UN 1993 Flammable liquid, n.o.s. (Diacetone alcohol ; D-Limonene), 3, III
14.3. Transport hazard class(es)			
Combustible liquid	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: No
The requirements of the US DOT Hazardous Materials Regulations do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant. This product can be shipped as unregulated in a small means of containment by road and rail in accordance with Part 1, 1.33: Flammable Liquids: General Exemption, Note: Inner packages containing net quantities of less than 5 kg/5 L are exempt per IMDG Code 2.10.2.7 and ICAO Special Provision A197.			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : NA1993

TDG

UN-No. (TDG) : UN1993
Emergency Response Guide (ERG) Number : 128

IMDG

No data available

IATA

No data available

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chance Moisture Eater II Wipes

SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.
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According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) 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.

15.2. International regulations

CANADA

Diacetone alcohol (123-42-2)

Listed on the Canadian DSL (Domestic Substances List)

D-Limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Chance Moisture Eater II Liquid

Listed on the Canadian DSL (Domestic Substances List)

Diacetone alcohol (123-42-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

D-Limonene (5989-27-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Diacetone alcohol(123-42-2)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 5/25/2026

Issue date : 7/10/2020

Full text of hazard classes and H-statements

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction

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Full text of hazard classes and H-statements	
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

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