



Hay Maker 18-3-4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 05.11.2023

Revision date: 05.11.2023

Version 1.0

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SECTION 1: IDENTIFICATION

1.1. Identification

Product form: Mixture
Trade name: Hay Maker 18-3-4

1.2. Recommended used and restrictions on use:

Use of the substance/mixture Fertilizer for grasses and legumes used in hay production

1.3. Supplier

ORGANIC LABS
17 Pete Hendrichs Road
Yerington, Nevada 89447
Tel: +1 772 286 5581
Email: info@organiclabs.com

1.4. Emergency telephone number

Emergency number: +1 407 435 9105 (Monday - Friday: 9am – 5pm EST)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification System

Product not classified as hazardous

CLP Regulation

Product not classified as hazardous

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

Additional information:

Zero percent of the mixture consists of the component(s) of unknown toxicity

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Not Regulated

Signal word (GHS US)

Not Regulated

Hazard statements (GHS US):

Not Regulated

Precautionary statements (GHS US)

Not Regulated

Hazard-determining components of labelling

None

Labelling according to Regulation (EC) No

Product does not have a classification according to the CLP regulation.

1272/2008

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances



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Component	CAS No.	ECHA EC Number
Urea	57-13-6	200-315-5
<i>Saccharomyces cerevisiae</i> yeast	84604-16-0	283-294-5
Ammonium polyphosphate	68333-79-9	269-789-9
Potassium Acetate	127-08-2	204-822-2

3.2. Mixtures

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

First-aid measures general	If in doubt, seek medical advice.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if discomfort continues.
First-aid measures after skin contact	Remove contaminated clothing. Wash skin immediately with soap and water. Get medical attention if any discomfort continues.
First-aid measures after eye contact	Rinse immediately with plenty of water for 15 minutes under running water. If worn, remove contact lenses and open eyes wide apart. Continue rinsing thoroughly with plenty of water. Contact physician if discomfort continues.
Symptoms/effects after ingestion	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	May cause irritation, itching, burning, and coughing. Prolonged or repeated exposure can cause dizziness.
Symptoms/effects after skin contact	May cause irritation if contact is prolonged or repeated.
Symptoms/effects after eye contact	May cause irritation if contact is prolonged or repeated.
Symptoms/effects after ingestion	May cause discomfort.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. No special treatment required, see section 4.1.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Dry-powder, carbon dioxide (CO ₂), water mist or foam.
Unsuitable extinguishing media	DO NOT USE water with full heavy stream.

5.2. Specific hazards arising from the chemical

Fire hazard	The product is not classified as flammable.
Explosion hazard	No direct explosion hazard.
Hazardous decomposition products in case of fire	Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), and/or Ammonia (NH ₃)

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	Use fresh air mask if product is involved in a dire. At evacuation use an approved escape mask, if possible. See also section 8.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection. Containers close to fire should be removed immediately or cooled with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Evacuate unnecessary personnel.
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6.1.1. For non-emergency personnel



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Protective equipment Ensure adequate ventilation. For large spills, wear protective clothing. Particular danger of slipping on leaked/spilled product.

Emergency procedures Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes.

6.1.2. 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 Ventilate spillage area. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Methods for cleaning up Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For information on safe handling refer to section 7. For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling Provide adequate ventilation. Use protective equipment as referred in section 8. Avoid spilling, skin and eye contact.

Hygiene measures Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep only in the original container in a cool well ventilated place. Keep container tightly closed. Store locked up.

Conditions to avoid Avoid excessive heat, open flames, or sources of ignition. Keep away from perchlorate.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Hay Maker

Additional information about design of technical systems: No further data; see item 7.

Control parameters: No further data

Other information about threshold limit values: Contains no substances with occupational exposure limit values.

8.2. Appropriate engineering controls

Appropriate engineering controls No further relevant information available

Environmental exposure controls No further relevant information available

8.3. Individual protection measures/Personal protective equipment

Hand protection:



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Gloves not required under normal conditions of use. Wear protective gloves to handle contents of damaged or leaking units. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion, and the degradation.

Material of gloves:

The selection of the suitable gloves do not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses

Skin and body protection:

Not required under normal conditions of use.

Respiratory protection:

Not required under normal conditions of use. For large spills, respiratory protection may be advisable.

Other information:

The usual precautionary measures for handling chemicals should be followed. Keep away from food, beverages, and feed. Avoid contact with the eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Opaque
Color (munsell system):	Light green
Odor:	Slight ammonia
Odor threshold:	Not determined
pH:	8.5
Melting point:	Not determined
Freezing point:	Not determined
Boiling point:	>222°F (> 106°C)
Flash point:	Not determined
Relative evaporation rate (butyl acetate=1):	Not determined
Flammability (solid, gas):	Not applicable
Vapor pressure:	Not determined
Relative vapor density at 20°C:	Not determined
Density at 20°C (g/mL):	1.18
Relative Density:	10.6 lb/gal (1.27 Kg/L)
Solubility in water, fats, and organic solvents:	Fully miscible
Partition coefficient n-octanol/water (log Pow):	1-10 CPS @ 20°C
Auto-ignition temperature:	Not determined
Auto igniting:	Product is not self-igniting
Decomposition temperature:	Not determined
Viscosity, kinematic:	Not determined
Viscosity, Dynamic:	Not determined
Explosion limits:	Not determined
Explosive properties:	Product does not present an explosion hazard
Oxidizing properties:	Not determined

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY



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10.1. Reactivity

No further relevant information available

10.2. Chemical stability

No further relevant information available

10.3. Possibility of hazardous reactions

No further relevant information available

10.4. Conditions to avoid

No further relevant information available

10.5. Incompatible materials

No further relevant information available

10.6. Hazardous decomposition products

None under normal conditions. See also section 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation):

Not classified (Based on available data, the classification criteria are not met)

LC/LC50 Values that are relevant for classification:

None

Additional Toxicology Information

The product is not subject to classification according to the calculation method of the General EU classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Primary Irritant Effect

On the skin: No skin irritation expected. Symptoms such as redness and itching of the skin may occur.

On the eye: Symptoms such as watery eyes and burning may occur. Prolonged or repeated contact may cause irritation.

On respiratory tract: May irritate respiratory system or lungs if prolonged or repeated exposure to this chemical. May cause dizziness.

On the digestive tract: May cause discomfort if swallowed. Ingestion of large amounts may cause abdominal pain, nausea, diarrhea, and vomiting.

Sensitization

None of the substances mentioned in section 3 are considered to have sensitizing effects according to current labelling rules.

No further relevant information available

NTP (National Toxicology Program)

None of the ingredients is listed

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed

Probable Routes of Exposure

Inhalation, Eye contact, Skin contact, Ingestion

Acute effects (acute toxicity, irritation, and corrosivity)

From product as supplied: None

Repeated Dose Toxicity

No further relevant information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – general

Negative ecological effects are, according to the current state of knowledge, not expected

Aquatic toxicity

No further relevant information available



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Behavior in environmental systems

No further relevant information available

Additional ecological information

No further relevant information available

12.2. Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

This product will not bio-accumulate.

12.4. Mobility in soil

The product is water soluble and may spread in water systems.

12.5. Other adverse effects

Other information

Release large amounts may increase the supply of nitrogen compounds in the environment and may lead to increased algal growth. Do not allow to enter into sewer, water system, or soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Waste treatment methods

Recommendation: Collect in marked containers and deliver to approved depot. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned above.

Product/Packaging disposal recommendations

Smaller quantities can be disposed of with household waste.

Can be burned with household garbage after consulting with the waster disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging

Disposal should be made according to official regulations

Recommendation

Disposal must be made according to official regulations

Recommended cleansing agent

Water

Recommended Procedure

Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Ecology - waste materials

Do not allow uncontrolled discharge of product into the environment. Notify authorities if product enters sewers or public waters.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Transport document description

UN-No.(DOT, ADR, AND, IMDG, IATA)

Not regulated

Proper Shipping Name (DOT, ADR, AND, IMDG, IATA)

Not regulated

Transport Hazard Classes (DOT, ADR, AND, IMDG, IATA)

Not regulated

Packing group (DOT, ADR, AND, IMDG, IATA)

Not regulated

Environmental hazards (marine pollutant)

No

Special precautions for user

Not applicable

Transport in bulk according to Annex II of MARPOL73/78

Not applicable

and the IBC Code

UN "Model Regulation"

Not applicable



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Other information

No supplementary information available.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

Carcinogenic Categories

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients are listed.

15.2. US State regulations

No additional information available

Other regulations, limitations, and prohibitive regulations: Substances of very high concern (SVHC) according to REACH, Article 57 – None of the ingredients are listed.

Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

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SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Changes since the last version will be highlighted in the margin. This version replaces all previous versions

END OF SAFETY DATA SHEET