

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: CM2274
Product Name: Dennis 7 Dees 15-10-10 Rose Fertilizer #65595 (25lb) #65597 (50lb)
Revision Date: Mar 02, 2026 **Date Printed:** Mar 02, 2026
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Marion Ag Service, Inc. (BA North) **Distributor's Name:**
Address: 9400 St. Paul Hwy NE Aurora, OR, US, 97002 **Address:**
Emergency Phone: INFOTRAC 1-800-535-5053 **Distributor's Phone:**
Information Phone Number: (503) 633-4562 **Distributor's Emergency:**
Fax:
Product/Recommended Uses: Fertilizer for use by Landscape Professionals.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Eye Irritation - Category 2A
Reproductive Toxicity - Category 2
Skin Sensitizer - Category 1
Acute aquatic toxicity - Category 2
Chronic aquatic toxicity - Category 3

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms



Signal Word

Warning

Hazardous Statements - Health

H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child
H317 - May cause an allergic skin reaction

Hazardous Statements - Environmental

H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P273 - Avoid release to the environment.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection/face protection.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

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 advice/attention.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

P321 - Specific treatment (see First-Aid on this label).

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulations.

Acute toxicity of less than one percent of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0007722-76-1	AMMONIUM DIHYDROGEN PHOSPHATE	16% - 22%
0000057-13-6	UREA	16% - 21%
0017375-41-6	FERROUS SULFATE MONOHYDRATE	1% - 2%
0010034-96-5	MANGANESE SULFATE MONOHYDRATE	0.08% - 2%
0012179-04-3	BORATES, TETRA, SODIUM SALTS (PENTAHYDRATE)	0.06% - 1%
0007758-99-8	COPPER SULFATE, PENTAHYDRATE	0.05% - 1.00%
0007647-14-5	SODIUM CHLORIDE	0.05% - 0.96%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Avoid inhaling dust. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get Medical advice/attention if you feel unwell. If exposed/If you feel unwell/If concerned: Call a POISON CENTER/doctor.

Eye Contact

Continue rinsing for a duration of 15-20 minutes or until medical aid is available. If eye irritation persists: Get medical advice/attention. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. Gently brush product off face. Do not rub eyes. Do not attempt to manually remove anything from the eyes. Avoid direct contact. Wear chemical protective gloves, if necessary.

Skin Contact

Wash contacted areas with soap and water. Get medical attention if irritation develops or persists. Take off contaminated clothing, shoes

and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. IF exposed or concerned: Get medical advice/attention. If skin irritation or a rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

Ingestion

Rinse mouth. If exposed/If you feel unwell/If concerned: Call a POISON CENTER/doctor.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire : Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards Arising from the Chemical

Avoid breathing dusts, vapors or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed Fire will produce irritating gases. Runoff may pollute waterways

Precautions for Firefighters

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Equipment

Wear self-contained breathing apparatus and full protective clothing. Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Ensure adequate ventilation. Isolate hazard area and keep unnecessary people away. This material becomes slippery when wet. Isolate hazard area and keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Protective Equipment

Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. Use appropriate personal equipment (PPE). Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

Avoid breathing dust. Do not get on skin, eyes or clothing.

Environmental Precautions

Never return spills to original container for re-use. Stop spill/release if it can be done safely. Prevent spilled material and water from clean-up/firefighting from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning up

Small Spill: Sweep up or vacuum spillage and collect in suitable container and properly label for disposal.

Large Spill: Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep used material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Dispose of contaminated materials according to federal, state and local regulations. Avoid raising dust. Safely collect powdered material and deposit in sealed containers for disposal.

Ventilate and wash area after clean-up is complete

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use. Wash hands after use. Avoid breathing dust. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. All containers must be properly labelled. Eyewash stations and showers should be available in areas where this material is used and stored Do not get in eyes, on skin, or on clothing.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Report ventilation failures immediately.

Storage Room Requirements

Protect containers from moisture and against banging or other physical damage when storing, transferring, or using them. Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Indoor storage should meet OSHA standards and appropriate fire codes. Empty containers retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear Dust-proof goggles with side shields

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Environmental exposure controls

Use the appropriate container to avoid environmental contamination. Keep away from all drains, surface and ground water. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Chemical Name	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)
BORATES, TETRA, SODIUM SALTS (PENTAHYDRATE)								2 (I)
MANGANESE SULFATE MONOHYDRATE	1			5 ceiling				0.02 (R), 0.1 (I)

Chemical Name	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	ACGIH Carcinogen	NIOSH Carcinogen
BORATES, TETRA, SODIUM SALTS (PENTAHYDRATE)		6 (I)		1			A4	
MANGANESE SULFATE MONOHYDRATE								

Chemical Name	ACGIH TLV Basis	ACGIH Notations	OSHA Skin designation
BORATES, TETRA, SODIUM SALTS (PENTAHYDRATE)	URT irr	A4	
MANGANESE SULFATE MONOHYDRATE	CNS impair		

(C) - Ceiling limit, (I) - Inhalable fraction, (L) - Exposure by all routes should be carefully controlled to levels as low as possible, (R) - Respirable fraction, A2 - Suspected Human Carcinogen, A4 - Not Classifiable as a Human Carcinogen, CNS - Central nervous system, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

The information in this Section does not list non-hazardous components that might have relevant ACGIH TLV Basis, ACGIH Notations, NIOSH TWA (mg/m3), ACGIH Carcinogen, NIOSH Carcinogen, OSHA Tables (Z1, Z2, Z3), OSHA Carcinogen, OSHA TWA (ppm), OSHA TWA (mg/m3), ACGIH TWA (ppm), ACGIH TWA (mg/m3) regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Density	59.84920 lb/cu.ft
% Solids By Weight	99.91400%
% VOC	0.00000%

Appearance	N/A
Odor Threshold	N/A
pH	N/A
Flammability	N/A
Flash Point	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Melting Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Water Solubility	No Data Available
Coefficient Water/Oil	N/A
Kinematic Viscosity	N/A
Kinematic Viscosity Temperature	N/A °F

SECTION 10) STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions/Polymerization

Will not occur.

10.3 Possibility of Hazardous Reactions

This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

Conditions To Avoid

Avoid heat, sparks, flame, high temperature and contact with incompatible materials.

10.4 Conditions To Avoid

Protect from moisture.

Incompatible Materials

Strong bases, acids, and oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (dust and mist) exposure to this mixture is >5 mg/l

General

Wash hands after use.

Aspiration Hazard

Based on available data, the classification criteria are not met.

Carcinogenicity

The mineral oils in the product contain < 3% DMSO extract (IP346). Not considered to be carcinogenic.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child

Respiratory/Skin Sensitization

May cause an allergic skin reaction

Serious Eye Damage/Irritation

Causes serious eye irritation

Skin Corrosion/Irritation

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

Chronic Exposure

Based on available data, the classification criteria are not met.

Potential Health Effects - Miscellaneous

Based on available data, the classification criteria are not met.

SECTION 12) ECOLOGICAL INFORMATION

Other Adverse Effects

No data available.

Ecotoxicity

Toxic to aquatic life

Harmful to aquatic life with long lasting effects

General

Wash hands after use.

Persistence and Degradability

0000057-13-6 UREA

Will slowly release ammonia and degrade to nitrate.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

SECTION 14) TRANSPORT INFORMATION

	U.S. DOT Information	IMDG Information	IATA Information
UN number:	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name:	N/A	N/A	N/A
Transport Hazard class(es)	Not Applicable	Not Applicable	Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ)	Not Applicable	Not Applicable	Not Applicable
Environmental hazards	No Data Available	No Data Available	No Data Available
Special precautions for user	No Data Available	No Data Available	No Data Available
Transport in bulk according to Annex II of MARPOL and the IBC code	No Data Available	No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

General

Wash hands after use.

CAS	Chemical Name	% By Weight	Regulation List
0007783-20-2	AMMONIUM SULFATE	18% - 24%	SARA313, SARA312, TSCA - Toxic Substances Control Act (TSCA), MA_RightToKnow - Massachusetts Right to Know
0007722-76-1	AMMONIUM DIHYDROGEN PHOSPHATE	16% - 22%	SARA313, SARA312, TSCA - Toxic Substances Control Act (TSCA)
0000057-13-6	UREA	16% - 21%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0014977-37-8	POTASSIUM MAGNESIUM SULFATE (MG2K2(SO4)3)	12% - 17%	SARA312
0007447-40-7	POTASSIUM CHLORIDE	9% - 12%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0016389-88-1	DOLOMITE (CAMG(CO3)2)	8% - 11%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0017375-41-6	FERROUS SULFATE MONOHYDRATE	1% - 2%	SARA312
0007446-19-7	SULFURIC ACID, ZINC SALT (1:1), MONOHYDRATE	1% - 2%	SARA313, SARA312, NJ_RightToKnow_HazSubList - New Jersey Right to Know Hazardous Substance List (RTKHSL)
0010034-96-5	MANGANESE SULFATE MONOHYDRATE	0.08% - 2%	SARA313, SARA312, NJ_RightToKnow_HazSubList - New Jersey Right to Know Hazardous Substance List (RTKHSL)
0012179-04-3	BORATES, TETRA, SODIUM SALTS (PENTAHYDRATE)	0.06% - 1%	SARA312, MA_RightToKnow - Massachusetts Right to Know
0007758-99-8	COPPER SULFATE, PENTAHYDRATE	0.05% - 1.00%	SARA313, SARA312, NJ_RightToKnow_HazSubList - New Jersey Right to Know Hazardous Substance List (RTKHSL)
0007647-14-5	SODIUM CHLORIDE	0.05% - 0.96%	SARA312, TSCA - Toxic Substances Control Act (TSCA)

The information in this Section does not list non-hazardous components that might have relevant MA_RightToKnow - Massachusetts Right to Know, NJ_RightToKnow_HazSubList - New Jersey Right to Know Hazardous Substance List (RTKHSL), TSCA - Toxic Substances Control Act (TSCA), SARA312 regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.



WARNING:Cancer - www.P65Warnings.ca.gov

SECTION 16) OTHER INFORMATION

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL- Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

General

Wash hands after use.

Version 1.0:

Revision Date: Mar 02, 2026

First Edition.

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.