# SAFETY DATA SHEET

(800) 500-1698



## 1. Identification

**Product identifier Perfection Summer Solstice 24-0-8** 

Other means of identification None.

Recommended use Turf & Ornamental Product - Plant Nutrition

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

**Telephone** 

Company name Wilbur-Ellis Company LLC **Address** 3300 S. Parker Rd Ste. 500

> Aurora, CO 80014 **United States**

**Branded Products** 

Information

SDS@wilburellis.com E-mail

Chemtrec - Domestic

**Emergency phone number** (800) 424-9300 Chemtrec - International +1 703-741-5970

# 2. Hazard(s) identification

**Physical hazards** Not classified. Not classified. **Health hazards** Not classified. **Environmental hazards OSHA** defined hazards Not classified.

Label elements

Hazard symbol None. Signal word None.

The mixture does not meet the criteria for classification. **Hazard statement** 

**Precautionary statement** 

Observe good industrial hygiene practices. Prevention

Wash hands after handling. Response

Storage Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements. **Disposal** 

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

## 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Urea		57-13-6	50 - < 60
Lime		1317-65-3	30 - < 40
Potassium Chloride		7447-40-7	10 - < 20
Other components below re	portable levels		1 - < 3

Occupational Exposure Limits for impurities, if present, are listed in Section 8. **Composition comments** 

## 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Wash off with soap and water. Get medical attention if irritation develops and persists. Skin contact Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists. Eye contact

Ingestion Rinse mouth. Get medical attention if symptoms occur. Most important symptoms/effects, acute and delayed

Dusts may irritate the respiratory tract, skin and eyes. Coughing.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

**General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use water spray to cool unopened containers.

Specific methods
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

## Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Lime (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
US. NIOSH: Pocket Guide to Ch	emical Hazards		
Components	Туре	Value	Form
Lime (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
US. Workplace Environmental E	xposure Level (WEEL) Guides		
Components	Туре	Value	Form
Urea (CAS 57-13-6)	TWA	10 mg/m3	Total particulate.

**Biological limit values** 

Appropriate engineering

controls

No biological exposure limits noted for the ingredient(s).

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels Respiratory protection

exceeding the exposure limits.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** Granular Blend

Solid. Physical state

Solid Granules **Form** 

Various colored granules Color

Odor

**Odor threshold** Not available. Not available. pН Not available. Melting point/freezing point Not available. Initial boiling point and boiling

range

Flash point Not available. Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

Flammability limit - upper

(%)

Not available.

Not available.

(%)

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Not available. Vapor pressure Vapor density Not available. Not available. Relative density

Solubility(ies)

65 % Solubility (water)

**Auto-ignition temperature** Not available. Not available. **Decomposition temperature** Not available. **Viscosity** 

Other information

Not explosive. **Explosive properties Oxidizing properties** Not oxidizing.

## 10. Stability and reactivity

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

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the decomposition temperature. Contact with incompatible

materials.

Incompatible materials Acids. Fluorine.

Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

## Information on likely routes of exposure

Inhalation Dust may irritate respiratory system. Prolonged inhalation may be harmful.

**Skin contact** Dust or powder may irritate the skin.

**Eye contact** Dust may irritate the eyes.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Dusts may irritate the respiratory tract, skin and eyes. Coughing.

## Information on toxicological effects

Acute toxicity Not known.

Product Species Test Results

Perfection Summer Solstice 24-0-8

Acute

Dermal

Solid LD50

Rabbit > 2000 mg/kg, 24 hours

Oral

Solid LD50

Components

Rat > 10000 mg/kg
Species Test Results

Potassium Chloride (CAS 7447-40-7)

<u>Acute</u>

Oral

LD50 Rat 3020 mg/kg

Urea (CAS 57-13-6)

**Acute** 

Oral

LD50 Mouse 13000 mg/kg

Rat 15000 mg/kg

Other

LD50 Mouse 9200 mg/kg

Rat 8200 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Prolonged inhalation may be harmful.

**Further information** 

This product has no known adverse effect on human health.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Perfection Summer Solstice 24-0-8

Aquatic

Crustacea EC50 Daphnia 1760.0095 mg/l, 48 hours estimated

Fish LC50 Fish 4557.1133 mg/l, 96 hours estimated

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

## 14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

the IBC Code

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not applicable.

# 15. Regulatory information

**US federal regulations**This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200. All components are listed on or exempted from the

U.S. EPA TSCA Inventory List.

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

## SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

## Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

## **US** state regulations

## **California Proposition 65**



WARNING: This product can expose you to cadmium, which is known to the State of California to cause

cancer and birth defects or other reproductive harm. For more information go

to www.P65Warnings.ca.gov.

Cadmium (CAS 7440-43-9)

# 16. Other information, including date of preparation or last revision

**Issue date** 02-24-2021

Version # 01

NFPA ratings Health: 1

Flammability: 0 Instability: 0

**NFPA** ratings



**Disclaimer** Not available.

Material name: Perfection Summer Solstice 24-0-8 5268 Version #: 01 Issue date: 02-24-2021