RLING

INGREDIENTS Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/01/2024 Version: 1.0

1.	Identification			
	ct form	: Mixture		
Produ	ct name	: Nature Safe Soil Rx 4-0-1 Sc	oil Food Fertilize	er
.2.	Recommended use and res	trictions on use		
Jse of	the substance/mixture	: Fertilizer		
L .3.	Supplier			
5601 Irving T 1-8(g Ingredients Inc N MacArthur Blvd , 75038 - United States)0-800-4841 <u>darlingii.com</u>			
1.4.	Emergency telephone num	ber		
Emerg	jency number	: 1-800-800-4841		
CE CT		ification		
	ION 2: Hazard(s) ident			
2.1.	Classification of the substa	nce or mixture		
GHS-I	JS classification			
	JS classification assified			
Not cla	assified	ing procentionery statements		
Not cla 2.2.	GHS Label elements, includ	ing precautionary statements		
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Not cla 2.2. GHS (No lab 2.3. No add 2.4. Not ap 3.1. Not ap 3.2. Nat Food Mea Amr	GHS Label elements, includ JS labelling elling applicable Other hazards which do no ditional information available Unknown acute toxicity (Gl oplicable TION 3: Composition/in Substances oplicable Mixtures me d By-products t Meal	t result in classification HS US) formation on ingredients Product identifier NA NA	60-70 10-15	Combustible dust Combustible Dust Acute Tox. 4 (Oral), H302

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures			
4.1. Description of first aid measu	res		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Wash skin with plenty of water.		
First-aid measures after eye contact	: Rinse eyes with water as a precaution.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		

Safety Data Sheet

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

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

No additional information available.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures Suitable (and unsuitable) extinguishing media 5.1. Suitable extinguishing media : Water spray. Dry powder. Foam. 5.2. Specific hazards arising from the chemical : The product is non-reactive under normal conditions of use, storage, and transport. Reactivity 5.3. Special protective equipment and precautions for fire-fighters : Do not attempt to take action without suitable protective equipment. Self-Protection during firefighting contained breathing apparatus. Complete protective clothing. **SECTION 6: Accidental release measures** Personal precautions, protective equipment and emergency procedures 6.1. 6.1.1. For non-emergency personnel Emergency procedures : Ventilate spillage area.

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.

6.2. Environmental precautions Avoid release to the environment.

6.3.	.3. Methods and material for containment and cleaning up			
Method	s for cleaning up	: Recover mechanically. Onland, sweep or shovel into suitable containers. Minimize generation of dust.		
Other ir	nformation	: Dispose of materials or solid residues at an authorized site.		
6.4.	Reference to other sections			

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 Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after 		
	handling the product.		

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ammonium sulfate (7783-20-2)	
No additional information available	
Potassium sulfate (7778-80-5)	
No additional information available	

Lignosulfonic Acid (8061-52-7)

No additional information available

Safety Data Sheet

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

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required under normal conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Aggregate
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

Safety Data Sheet

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

10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous react	tions
No dangerous reactions known under nor	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
No additional information available	
	a du aka
10.6. Hazardous decomposition pro Carbon monoxide. Carbon dioxide.	Daucis
SECTION 11: Toxicological inf	
11.1. Information on toxicological	
Acute toxicity	: Not classified
Potassium sulfate (7778-80-5)	
LD50 oral rat	6600 mg/kg
Ammonium sulfate (7783-20-2)	
LD50 oral rat	2840 mg/kg
ATE US (oral)	500 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ammonium sulfate (7783-20-2)				
LC50 - Fish [1]	250 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)			
EC50 - Crustacea [1]	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
LC50 - Fish [2]	480 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through])			
Potassium sulfate (7778-80-5)				
LC50 - Fish [1]	653 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)			
EC50 - Crustacea [1]	890 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
LC50 - Fish [2] 3550 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])				

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Ammonium sulfate (7783-20-2)		
Partition coefficient n-octanol/water (Log Pow)	-5.1 (at 25 °C)	

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

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

: Dispose of contents/container in accordance with local, state, and federal regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

No additional information available

Transportation of Dangerous Goods

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available.

Ammonium sulfate (7783-20-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Potassium sulfate (7778-80-5)

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

Ammonium sulfate (7783-20-2)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

Potassium sulfate (7778-80-5)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

EU-Regulations

Ammonium sulfate (7783-20-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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

Potassium sulfate (7778-80-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

National regulations

Ammonium sulfate (7783-20-2)

Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on Industrial Safety and Health Law Substances (ISHL) Listed on the Korean ECL (Existing Chemical List) inventory. Listed on New Zealand - Inventory of Chemicals (NZIOC) Listed on Inventory of Chemicals and Chemical Substances (PICCS) Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

Potassium sulfate (7778-80-5)

Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on Industrial Safety and Health Law Substances (ISHL) Listed on the Korean ECL (Existing Chemical List) inventory. Listed on New Zealand - Inventory of Chemicals (NZIoC) Listed on Inventory of Chemicals and Chemical Substances (PICCS) Listed on INSQ (Mexican national Inventory of Chemical Substances) Taiwan Chemical Substance Inventory

15.3. US State regulations

No additional information available

SECTION 16: Other information

Ful	Full text of H-statements:			
	H302	Harmful if swallowed.		
	H319	Causes serious eye irritation.		

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