SAFETY DATA SHEET

Section 1: Identification

1.1 Product identifier:

15-15-30 + 1S + TE

Other means of Identification: Not available

1.2 Recommended use:

Identified uses: Agricultural uses as fertilizer.

Restrictions on use: None known. Read the label before using. Keep out of reach of children.

1.3 Supplier:

OMEX Agriculture Inc.
290 Agri Park Road
Oak Bluff, MB, Canada
R4G 0A5
Web address: www.omexcanada.com
(204) 477-4052

1.4 Emergency telephone number (24-hour):

Poison Control Center: Call 911 or the regional Poison Control Center
Canadian Association of Poison Control Centers, provincial telephone numbers at: www.capcc.ca

Section 2: Hazard Identification

2.1 Classification:

Not classified under any hazard class.

2.2 Label elements:

Not classified.

2.3 Other hazards:

Caution: This fertilizer contains Boron, Copper, Manganese and Zinc and should be used only as recommended. It may prove harmful when misused.
May cause mild eye irritation and slight skin irritation.
Exposures to dust may cause irritation to the respiratory tract.
Contains nitrate salts, if swallowed may cause methemoglobinemia. Children under 1 year of age are most susceptible to methemoglobinemia from ingestion of nitrate.

Section 3: Composition / Information on Ingredients

Chemical Name	CAS No.	Wt.%	GHS Classification
Potassium nitrate	7757-79-1	49	Oxidizing solid 2; H272
Urea	57-13-6	22	Not classified

Section 4: First-Aid Measures

4.1 Description of first-aid measures:

Inhalation: If irritation occurs move victim to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell or are concerned.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If irritation persists, get medical attention.

Skin Contact: Rinse skin with plenty of water and mild soap. If irritation persists, get medical attention. Take off contaminated clothing and wash it before re-use.

SAFETY DATA SHEET

4.1 Description of first-aid measures:

Ingestion: If exposed or concerned, call a POISON CENTER or doctor for treatment advice. Do not induce vomiting unless directed to do so by the poison center or doctor.
Canadian Poison Control Centers telephone numbers are available at: www.capcc.ca/en/content/provincial-centres

4.2 Most important symptoms and effects, acute and delayed:

Inhalation: Breathing fertilizer dust may cause nose and throat irritation.

Eye Contact: Contact may cause mild eye irritation. Symptoms of irritation include redness, tears and mild discomfort.

Skin Contact: Prolonged contact may cause mild irritation.

Ingestion: Low acute toxicity by the oral route. Swallowing may cause nausea, vomiting, chills and gastro-intestinal discomfort. Symptoms of acute toxicity include muscle spasms, mental confusion, weakness and heaviness in the extremities, dizziness and cardiac arrhythmia.
Delayed effect from swallowing large amounts may result in the formation of methemoglobin: Symptoms include blue lips, fingernails and skin, dizziness and headache.

4.3 Indication of any immediate medical attention and special treatment needed:

In case of accidental swallowing by a child: Get immediate medical attention.
Take container, label or product name with you when seeking medical attention.

4.4 Medical Conditions Aggravated by Exposure:

Not available

Section 5: Fire-fighting Measures

5.1 Extinguishing media:

Use extinguishing media appropriate for the surrounding fire (water spray, appropriate foam, dry chemical or carbon dioxide).
Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the product:

Not flammable or combustible.
Combustion may generate toxic and severely irritating fumes containing severely irritating ammonia, oxides of nitrogen, phosphorus, sulfur and potassium.
If heated, dry Potassium nitrate can intensify a fire.
If involved in a fire, closed containers may rupture violently.

5.3 Special protective equipment and precautions for fire-fighters:

Firefighters should wear full protective gear including self-contained breathing apparatus when fighting chemical fires.
Any water runoff should be minimized and contained.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective gloves, clothing and boots. Wear eye or face protection.
Stop the release if safe to do so. Restrict access to the spill area.

6.2 Environmental precautions:

Prevent releases from going into drains, sewers and other waterways.
Fertilizer products may be harmful to livestock and wildlife if swallowed. Clean up any spilled fertilizer products immediately, particularly where bulk quantities of fertilizers are handled.

6.3 Methods and material for containment and cleaning up:

Pick up the spilled fertilizer by sweeping or vacuuming. Transfer to suitable, labelled containers.
Avoid raising dust into the air.
Collect spilled material for re-use or proper disposal.

SAFETY DATA SHEET

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Read the label before using.
Keep out of reach of children.
Avoid contact with skin and eyes. Wear eye protection and gloves.
Remove contaminated clothing and wash it before reuse.
Wash hands and exposed skin after handling.
Do not eat, drink or smoke when using this product.
Do not dust.

7.2 Conditions for safe storage:

Store in the original container and provide adequate protection from weather.
Protect from freezing.
Store in original containers only.
Keep storage containers closed when not in use and when empty.
Keep away from strong acids, strong bases and other incompatible materials (see Section 10).
Do not contaminate water, food or feed by storage or disposal.
Empty containers may retain harmful product residues; do not re-use containers for food or drink.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters:

Ingredient	ACGIH® TLV®	OSHA PEL	Other Exposure Limits
Potassium nitrate	None established	None established	None established
Urea	None known	None known	AIHA WEEL: 10 mg/m^3
Particles Not Otherwise Specified (PNOS)	3 mg/m^3 (respirable) 10 mg/m^3 (inhalable)	OSHA PNOR: 5 mg/m^3 (respirable fraction) 15 (total dust)	TWA Ontario, Alberta : 3 mg/m^3 (respirable) 10 mg/m^3 (inhalable) VEMP Québec : 10 mg/m^3 (poussières totales)

8.2 Exposure controls:

Engineering controls: Mechanical ventilation or personnel enclosures may be required in workplaces where airborne dust concentrations exceed exposure limits.

8.3 Individual protection measures:

Eye/Face protection: Wear safety glasses or goggles.

Skin protection: Wear chemical resistant, rubber gloves. Wear protective work clothing. Take off contaminated clothing and wash it before reuse.

Respiratory protection: In workplaces where airborne dust concentrations exceed the exposure limits or cause respiratory tract irritation or eye irritation is experienced, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. wear an approved dust respirator).

Other protection: Workplaces should have a hand-wash station and eye-wash fountain readily available.
Prevent the generation of airborne dust.

SAFETY DATA SHEET

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Solid. Red powder.
Odour:	Odourless
Odour threshold:	Not available
pH:	Not applicable
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not applicable
Evaporation rate:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility (ies):	Soluble in water 230 /L in water (approximate)
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

10.1 Reactivity:

Not reactive.

10.2 Chemical stability:

Stable at normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Avoid exposure to high temperatures.

10.5 Incompatible materials:

Incompatible with amines and substances which can be oxidized. Incompatible with strong acids and strong bases.
Use caution when mixing this product with other agricultural chemicals. Some chemicals may be incompatible.
Contact OMEX Agriculture Inc. for further information

10.6 Hazardous decomposition products:

Not available

SAFETY DATA SHEET

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Likely routes of exposure

Inhalation; Ingestion; Skin contact; Eye contact.

Acute toxicity

Inhalation: Low acute toxicity by the inhalation route.

Ingestion: Acute toxicity estimate for the mixture is greater than 2 000 mg/kg in rat.
Symptoms of acute potassium toxicity in humans include mental confusion, weakness and heaviness in the extremities, hypotension, cardiac arrhythmia and electrocardiographic abnormalities. Acute phosphate toxicity can provoke hypocalcaemia and associated symptoms including tetany, hypotension and tachycardia.

Skin: Low acute toxicity by the dermal route.

11.2 Toxicity data:

Chemical Name	LD_{50} Oral	LD_{50} Dermal	LC_{50} Inhalation 4-hour exposure
Potassium nitrate	>2 000 mg/kg (rat)	>5 000 mg/kg (rabbit)	>0.527 mg/L (dust and mist)
Urea	>5 000 mg/kg (rat)	<21 000 mg/kg (rabbit)	Not available

Skin corrosion / irritation

Data not available.

Serious eye damage / irritation

Data not available for the mixture.

STOT (Specific Target Organ Toxicity) – Single exposure

Data not available. Contains nitrate salts. Nitrates may be reduced to nitrites by bacteria in the digestive tract. Symptoms of nitrite poisoning include methemoglobinemia, nausea, dizziness, increased heart rate and respiratory paralysis. Children under 1 year of age are most susceptible to methemoglobinemia from ingestion of nitrates. Airborne dust of this material may be irritating to the respiratory tract as a nuisance dust.

STOT (Specific Target Organ Toxicity) – Repeated exposure

Data not available.

Aspiration hazard

Does not meet criteria for classification for aspiration toxicity.

Sensitization - respiratory and/or skin

Data not available.

Carcinogenicity

This mixture does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA (Occupational Safety and Health Administration) or NTP (National Toxicology Program).

Reproductive toxicity

Data not available.

Germ cell mutagenicity

Data not available

Interactive effects

Data not available.

SAFETY DATA SHEET

Section 12: Ecological Information

12.1 Toxicity:

Data not available.
Product will release plant nutrients containing Nitrogen, Phosphorus and Potassium in aquatic environments.
Plant nutrients cause algae growth which may increase turbidity and deplete oxygen resulting in a hazard to fish and other aquatic organisms.
It is strongly advised not to release this product to aquatic environments.

12.2 Persistence and degradability:

Data not available

12.3 Bioaccumulative potential:

Not applicable

12.4 Mobility in soil:

Data not available

Section 13: Disposal Considerations

13.1 Disposal methods:

If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with municipal or provincial regulations where they apply. Contact local authorities for disposal of large quantities of product.
Thoroughly rinse out empty containers.
Do not contaminate water when disposing of rinsate or equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Section 14: Transport Information

14.1 Canada Transportation of Dangerous Goods (TDG) Regulations:

Not regulated

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Canada

NSNR status: All ingredients are listed on the DSL or are not required to be listed.

NRPI: Nitrate ion, Total ammonia, Total phosphorus.

USA

TSCA status: All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Section 313: Nitrate compounds, water dissociable, Total ammonia.

SAFETY DATA SHEET

Section 16: Other Information

Revision date:

April 3, 2020

References and sources for data:

CCOHS Cheminfo
HSDB
NIOSH Pocket Guide
Manufacturer SDS

Legend to abbreviations:

AIHA – American Industrial Hygiene Association
ACGIH® – American Conference of Governmental Industrial Hygienists
LD_{50}- Median lethal dose; the dose causing 50 % lethality
NIOSH – National Institute for Occupational Safety and Health
OSHA - Occupational Safety and Health Administration
TLV® - Threshold Limit Value
WEEL – Workplace Environmental Exposure Level
WHMIS – Workplace Hazardous Materials Information System.

Additional information:

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