



A HUBER COMPANY

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03
Canadian Workplace Hazardous Material Information System (WHMIS) 2015
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015
GHS (Globally Harmonized System)

1. Product and company identification

Product identifier

Product Name	Sugar Express®
Pure substance/mixture	Non-hazardous mixture

Relevant identified uses of the substance or mixture and uses advised against

Recommended use	Agricultural Soluble Fertilizer
Uses advised against	None known, only use as directed

Details of registration holder:

Miller Chemical South Africa (Pty) Ltd, 217 Jack Hindon Street, Pretoria North, 0182, SA

Details of distributor:

Hygrotech Properties (Pty) Ltd, 1 Gerard Braak Street, Pyramid, Pretoria, 0120, SA

Emergency Telephone numbers (local):

Griffon Poison Information Centre: 082 446 8946

Hygrotech Head Office: 012 545 8000 (o/h)

Details of supplier of product:

Miller Chemical & Fertilizer, LLC., 120 Radio Road, Hanover, Pennsylvania, 17331, USA.

Emergency Telephone numbers (international):

CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Classification

Hazard class	None
Category	None
Hazard statement number	None

Label Elements

Pictograms	None
Signal Word	None
Hazard Statements	None

Precautionary Statements

Additional information	Not applicable
Hazards not otherwise classified (HNOC)	None known

3. Composition/information on ingredients

Pure substance/mixture Non-hazardous substance

Chemical Name	CAS No.	Weight - %	TSCA: United States	Canada (DSL)	Mexico	WHMIS	OSHA Regulatory Status
Non-hazardous	-	100	A	Y	Y	-	Not regulated

Legend

Y: Complies ; A: Active ; - / N: Exempt / Not Listed

4. First Aid measures

Description of First Aid measures

General advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. Get medical attention.
Ingestion	DO NOT INDUCE VOMITING. If vomiting occurs naturally, reduce the risk of aspiration by leaning their body forward. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
Inhalation	Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Most important symptoms/effects, acute and delayed

May cause irritation to mucous membranes and respiratory tract.

Indication of any immediate medical attention and special treatment needed

Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

5. Fire-fighting measures

Extinguishing media	Suitable Extinguishing Media: Alcohol-resistant foam. Carbon dioxide (CO ₂). Water spray (fog). Dry chemical. Halon. Unsuitable Extinguishing Media: None known.
Specific hazards arising from the chemical including thermal decomposition products	None known.
Special protective equipment for firefighters	Wear a self-contained breathing apparatus and chemical protective clothing.
Fire-fighting measures	Water mist may be used to cool closed containers. No special fire protection measures are necessary. Standard procedure for chemical fires.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Keep unauthorized personnel away. Avoid dust formation. Ensure adequate ventilation. Use personal protection recommended in Section 8. In case of fire: Stop leak if safe to do so. For non-emergency personnel: Keep unauthorized personnel away. For emergency responders: Keep unauthorized personnel away. Use personal protection recommended in Section 8.
Environmental precautions	Avoid runoff to waterways and sewers.
Containment and clean-up	Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to waterways and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non-sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a problem, neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.
Reference to other SDS sections	See Section 8 for exposure controls and personal protection. See Section 13 for additional waste treatment information.

7. Handling and storage

Precautions for safe handling	Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Do not breathe dust. Ensure adequate ventilation. Wear appropriate personal protective clothing to prevent skin contact.
Conditions for safe storage, including any incompatibilities	Keep container closed when not in use. Provide adequate ventilation when container is open. Keep in a dry, cool, and well-ventilated place. Keep out of reach of children.

8. Exposure controls/personal protection

Control parameters	Occupational exposure limits: No information available Biological limit values: No information available
Exposure controls: Appropriate engineering measures	Provide a good standard of controlled ventilation (5 to 10 air changes per hour). Use exhaust ventilation to keep airborne concentrations below exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.
Individual protection measures: Personal protective equipment	Eye/Face: Chemical goggles or face shield with safety glasses. Always wear eye protection when working with chemicals. Skin and body: Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure. Hand: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Respiratory: In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls	Dispose of in accordance with local regulations.

9. Physical and chemical properties

Phase	Solid crystalline granules
Colour	White, Lime green, and or Blue
pH	4.0 - 7.0 @ 20 °C
Boiling point / Boiling range	Not determined
Freezing point	Not determined
Flash Point (°C)	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Density	7.71 - 7.75 lbs/gal @ 68 °F (0.92 - 0.93 g/ml @ 20 °C)
Bulk Density	Varies with different grades
Water solubility	Soluble
Percent volatile	Not determined

10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No specific hazard known.
Conditions to avoid	Extreme temperatures and wet/humid conditions.
Incompatible materials	Strong oxidizing agents. Sodium hypochlorite and strong alkalis.
Hazardous decomposition products	None known.

11. Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Information on Likely Routes of Exposure

Inhalation Avoid inhalation of the product.

Skin Contact with dust can cause mechanical irritation or drying of the Skin.

Eyes Dust contact with the eyes can lead to mechanical irritation.

Ingestion Ingestion is not a likely route of exposure.

Information on toxicological effects

Non-Hazardous

Acute Toxicity May cause irritation.

Skin Sensitization No data available.

Mutagenicity No data available.

Reproductive Toxicity No data available.

12. Ecological information

Ecotoxicity Large spills could possibly damage vegetation. Contamination of waterways could possibly cause fish kills. Prevent spilled substance from entering water supplies or water courses.

Persistence and degradability No data available.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Results of PBT and vPvB assessment No data available.

Other adverse effects No information available.

13. Disposal information

Waste treatment and disposal methods	If uncontaminated, recover and reuse as product. If contaminated with other materials, the nature and extent of contamination may require use of specialized disposal methods. Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Disposal of packaging	Product residue may remain in empty bags. Empty the bag by holding it open-end down over the spray tank for thirty seconds. Turn the bag inside out. Rinse for thirty seconds with running water over the spray tank. Shake the water off. Repeat rinsing twice. Do not re-use the empty bag for any other purpose but destroy it by cutting it into pieces. Prevent contamination of food, feedstuffs, drinking water and eating utensils. Offer for recycling to a CropLife SA approved recycler. Do not burn or bury empty bags.

14. Transport information

Mode of Transportation (Road, Water, Air, Rail)

TDG - Canada Not regulated
DOT Not regulated
IATA Not regulated
IMDG/IMO Not regulated
ICAO Not regulated

UN number None

UN proper shipping name None

Transport hazard class(es) None

Packing group None

Environmental hazards No

Special precautions for user Not applicable

15. Regulatory information

Global Inventories

Chemical Name	CAS Number	Canada (DSL)	Mexico	TSCA: United States
Non-Hazardous	-	Y	Y	A

Legend

Y: Complies ; A: Active ; - / N: Exempt / Not Listed

EPA

CWA (Clean Water Act) Not regulated

CAA (Clean Air Act) Not regulated

U.S. State Right-to-Know Regulations

Chemical Name	CAS No	California Proposition 65	Massachusetts	Minnesota	New Jersey	Pennsylvania
Non-Hazardous	-	N	N	N	N	N

Legend

Y: Listed ; N: Not Listed

CANADA

WHMIS

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SOUTH AFRICA

Registration Requirements: Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947).

Pesticide Handling, Storage and Disposal Safety: SANS10206: 2020.

Safety Data Sheet and Occupational Exposure Limit Requirements: Regulations for Hazardous Chemical Agents – 2021 – SA Occupational Health and Safety Act. SANS11014:2010.

Control of and handling of poisonous/hazardous and non-poisonous/non-hazardous substances/chemicals in workplaces: Hazardous Substances Act, 1973 (Act No.15 of 1973). Occupational Health and Safety Act No. 85 of 1993.

16. Other information

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Prepared by:	Miller Chemical SA (Pty) Ltd.

Abbreviations and acronyms

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

WHMIS (Workplace Hazardous Materials Information System)

GHS (Globally Harmonized System)

IARC (International Agency for Research on Cancer)

PPE (Personal Protection Equipment)

TWA (Time-Weighted Average)

TLV® (Threshold Limit Value)

STEL (Short Term Exposure Limit)

RQ (Reportable Quantity) (RQ/% in mixture)

DOT (Department of Transportation)

TDG (Transport of Dangerous Goods) Canada

IATA (International Air Transport Association)

IMDG (International Maritime Dangerous Goods)

ICAO (International Civil Aviation Organization)

Disclaimer

The information supplied in this Safety Data Sheet is correct to the best of our knowledge and belief at the time and date of its publication. A reasonable effort was done to ensure that the data used is current and reliable. Neither the above-named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein.

The information is supplied has been developed only as guidance for the safe handling, use, processing, storage, transportation, and disposal of the product and is not considered a warranty or quality specification. 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.

END OF SAFETY DATA SHEET