
SECTION 1: IDENTIFICATION

- 1.1 PRODUCT NAME:** ASTROFLOWER
PRODUCT IDENTIFIER: 4671410-70
- 1.2 RECOMMENDED USE:** SPECIALITY FERTILIZER FOR HOME AND GARDEN
RESTRICTIONS ON USE: USE IN ACCORDANCE WITH SUPPLIER'S RECOMMENDATIONS
- 1.3 INITIAL SUPPLIER IDENTIFIER:** REMO BRANDS INC.
DIVISION: REMO NUTRIENTS
ADDRESS: 14- 20295 113B AVE MAPLE RIDGE, BC V2X6E9
- 1.4 EMERGENCY TELEPHONE NUMBER:** 1-800-424-9300
OUTSIDE USA/CANADA: 1-703-527-3887
-

SECTION 2: HAZARD IDENTIFICATION

- 2.1 CLASSIFICATION:** Not Classified. This product is not considered hazardous according to the definitions and classification requirements under WHMIS 2015 (CANADA), HAZCOM 2012 (USA) and NORMA OFICIAL MEXICANA 018 (Mexico)
- 2.2 LABEL ELEMENTS**
- 2.2.1 HAZARD PICTOGRAMS:** Not Applicable
- 2.2.2 SIGNAL WORD:** No signal word
- 2.2.3 HAZARD STATEMENTS:** No known significant effects or critical hazards
- 2.2.4 PRECAUTIONARY STATEMENT:** Not applicable
- 2.3 OTHER HAZARDS:** None Known
-

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	%
MONOPOTASSIUM PHOSPHATE	7778-77-0	3-8
POTASSIUM NITRATE	7757-79-1	3-5
POTASSIUM SULFATE	7778-80-5	3-5
ZINC EDTA	14025-21-9	0.04-0.08

SECTION 4: FIRST-AID MEASURES

- 4.1 FIRST AID MEASURES**
- 4.1.1 INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respirations. Get medical attention if symptoms appear.
- 4.1.2 SKIN CONTACT:** Wash with soap and water. Get medical attention if symptoms occur.

- 4.1.3 EYE CONTACT:** Check for and remove contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- 4.1.4 INGESTION:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS:**
INHALATION: No known significant effects or critical hazards
SKIN CONTACT: No known significant effects or critical hazards
EYE CONTACT: No known significant effects or critical hazards
INGESTION: No known significant effects or critical hazards
ACUTE: No known significant effects or critical hazards
CHRONIC: No known significant effects or critical hazards
- 4.3 IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:** No action shall be taken involving personal risk or without suitable training. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 SUITABLE AND UNSUITABLE EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire
- 5.2 SPECIFIC HAZARDS ARISING FROM THE PRODUCT:** None known
- 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear appropriate protective equipment and self-containing breathing equipment (SCBA) with a full-face piece operated in a positive pressure mode

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8)
- 6.2 ENVIRONMENTAL PRECAUTIONS:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil and air).
- 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.3.1 LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water course, basements or confined areas. Wash Spillages into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulation (see section 13 dispose of via licensed waste contract. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7: HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:** Wash hands, forearms and face thoroughly after handling chemical products and before eating, smoking and using lavatory. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety showers are close to workstation.
- 7.2 CONDITIONS FOR SAFE HANDLING:** Keep in the original container or an approved alternative. Keep tightly closed while not in use. Do not reuse container. Store in accordance with local regulations. Protect from direct sunlight and keep in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Avoid environmental contamination.
- 7.3 SPECIFIC END USE(S):** Fertilizer. Observe instructions for use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 CONTROL PARAMETERS:** No exposure guidelines have been established
- 8.2 APPROPRIATE ENGINEERING CONTROLS:** Good ventilated environment
- 8.3 INDIVIDUAL PROTECTIVE MEASURES**
- 8.3.1 EYE/FACE PROTECTION:** Use Goggles
- 8.3.2 SKIN PROTECTION:** Use Nitrile Gloves
- 8.3.3 RESPIRATORY PROTECTION:** Good ventilated environment should be sufficient.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown Mixture	EXPLOSIVE LIMIT UPPER EXPLOSIVE LIMIT LOWER	Not Applicable
ODOUR	Odourless	VAPOUR PRESSURE	2.0-2.2KPA (17.5MM HG)
ODOUR THRESHOLD	Not Determined	VAPOUR DENSITY	0.62
pH	4.2-4.9 SOLUTION	RELATIVE DENSITY	1.19
MELTING POINT & FREEZING	0°C 32°F	SOLUBILITY	Easily soluble in water
INITIAL BOILING POINT AND BOILING RANGE	100°C 212°F	PARTITION CO- EFFICIENT, n- OCTANOL/WATER	Not Available
FLASH POINT	Does not sustain combustion	AUTO-IGNITION TEMPERATURE	Not Applicable
EVAPORATION RATE	0.36	DECOMPOSITION TEMPERATURE	Not Available
FLAMMABILITY	Non-Combustible	VISCOSITY	Not Available

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** Reactive with oxidizing materials, organic materials, acids and alkalis. Slightly reactive or incompatible with the following materials: reducing materials and moisture.
- 10.2 CHEMICAL STABILITY:** Product is Stable
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** No Specific Data
- 10.4 CONDITIONS TO AVOID:** No Specific Data
- 10.5 INCOMPATIBLE MATERIALS:** Reducing Materials and moisture
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON LIKELY ROUTES OF EXPOSURE

11.1.1 ASPIRATION TOXICITY: No data is available

11.1.2 SKIN CORROSION/ IRRITATION: No data is available

- 11.1.3 SERIOUS EYE DAMAGE/ IRRITATION:** No data is available
11.1.4 RESPIRATORY OR SKIN SENSITIZATION: No data is available
11.2 CARCINOGENICITY: No data is available
11.3 REPRODUCTIVE TOXICITY: No data is available
11.4 GERM CELL MUTAGENICITY: No data is available
11.5 ACUTE TOXICITY ESTIMATES (ATE): No animal testing data is available
11.6 STOT (Specific Target Organ Toxicity) – Single Exposure: No data is available

SECTION 12: ECOLOGICAL INFORMATION

No known significant effects or critical hazards

SECTION 13: DISPOSAL CONSIDERATIONS

13.WASTE TREATMENT METHODS

- 13.1 RESIDUAL WASTE:** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
- 13.2 CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied.
- 13.3 DISPOSAL METHODS:** Do not allow this material to drain into sewers. Dispose in accordance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

Transport I Bulk according to Annex of MARPOL 73/78 and IBC code

TDG/DOT/IMDG/IATA: Not Regulated

ADR Not regulated as dangerous goods

RID Not regulated as dangerous goods

ADN Not regulated as dangerous goods

IATA Not regulated as dangerous goods

IMDG Not regulated as dangerous goods

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: Not applicable

SECTION 15: REGULATORY INFORMATION

CFIA EXEMPTION: 48850IQ

CFIA Export # 11605177

CEPA- Not Regulated

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Components are listed or exempt
EPA: Not regulated
This product is exempt from being listed in Australia (AICS, Europe (EINEC), Korea (TCCL), Japan (METI), and the Philippines (RA6969)

SECTION 16: OTHER INFORMATION

SDS PREPARED BY: REMO BRANDS INC.
DATE OF LATEST REVISION: May 15, 2019
REVISION 4