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## SECTION 1: IDENTIFICATION

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- 1.1 PRODUCT NAME:** ASTROFLOWER  
**PRODUCT IDENTIFIER:** 4671402-70
- 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
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## SECTION 2: HAZARD IDENTIFICATION

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- 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
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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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<b>CHEMICAL NAME</b>	<b>CAS NO.</b>	<b>%</b>
MONOPOTASSIUM PHOSPHATE	7778-77-0	13-14
POTASSIUM NITRATE	7757-79-1	7-8
POTASSIUM SULFATE	7778-80-5	5-6
ZINC EDTA	14025-21-9	2-3
HUMIC ACIDS	1415-93-6	0.7-0.9

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## SECTION 4: FIRST-AID MEASURES

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- 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.

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## SECTION 5: FIRE-FIGHTING MEASURES

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- 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

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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- 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.

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## **SECTION 7: HANDLING AND STORAGE**

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- 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.

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## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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- 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

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

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

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## SECTION 10: STABILITY AND REACTIVITY

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- 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.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 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

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## SECTION 12: ECOLOGICAL INFORMATION

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No known significant effects or critical hazards

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### 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.

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## SECTION 14: TRANSPORT INFORMATION

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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

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## SECTION 15: REGULATORY INFORMATION

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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)

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## **SECTION 16: OTHER INFORMATION**

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SDS PREPARED BY: REMO BRANDS INC.  
DATE OF LATEST REVISION: April 2022  
REVISION 6



**Remo Brands Inc.**  
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