Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Homeland all purpose liquid feed
Product Number(s): G21081 (2L)

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

Tomato Food

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway
Tel: 091-794722 Fax: 091-794738 email: services@hygeia.ie

1.4 Emergency telephone number

National Poisons Information Centre (Tel: 01-8379964) (Fax: 01-8368476)

Section 2: Hazards Identification

2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]

Not a hazardous substance or mixture according to Regulation (EC) 1272/2008

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):

Hazard pictogram:	None
Signal words:	None
Hazard statements:	Not classified
Precautionary statements:	P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use P501: Dispose of contents/container in a safe way

2.3 Other hazards

Not available

Section 3: Composition/information on ingredients

3.1 Substances

Not available

3.2 Mixtures

Contains a blend of other fertiliser ingredients, none of those included are at a level classified as hazardous. These ingredients may include some of the following: Potassium Nitrate, Urea, Phosphoric acid, Potassium hydroxide, Organic Material.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for at least 10 minutes maintaining eyelids open. Protect unharmed eye. Take care not to wash the chemical from one eye into the other. Obtain medical attention immediately (show this Safety Data Sheet)

Skin Contact: Remove contaminated clothing immediately. If skin contamination occurs wash immediately with plenty of clean, gently flowing water for at least 10 minutes. Repeat skin decontamination process until all signs of chemicals have gone.

Ingestion: If ingestion is suspected, do not induce vomiting. If conscious, drink plenty of water. Obtain medical attention immediately (show this Safety Data Sheet)

Inhalation: Move to fresh air. If there is breathing difficulty or coughing, keep patient at rest seated in position of maximum comfort. Obtain medical attention immediately (show this Safety Data Sheet)

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may provoke the following symptoms: Methaemoglobinemia

4.3 Indication of any immediate medical attention and special treatment needed

Not available

Section 5: Firefighting Measures

5.1 Extinguishing media

Extinguish with water

5.2 Special hazards arising from the substance or mixture

At temperatures above 130ºC, dangerous decomposition gases can be emitted: Nitrogen Monoxide, Nitrogen Dioxide, Dinitrogenoxide, Ammonia

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing (see section 8). Keep product away from children

6.2 Environmental precautions

Do not empty into drains. Retain and dispose of contaminated wash water

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of according to local regulations

6.4 Reference to other sections

For personal protection see Section 8

Section 7: Handling and Storage

7.1 Precautions for safe handling

Open container with care to avoid splashes. When using product to not eat, drink or smoke. Protect from contamination, direct sunlight, heat and moisture. This product may be incombustible. It can lower the ignition temperature of combustible substances. Keep away from heat and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat. Keep away from sources of ignition and combustible material. Avoid contamination. Store away from other substances

7.3 Specific end use(s)

Consult label

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Potassium Nitrate

DNEL

End Use: Workers
Exposure Routes: Inhalation
Potential Health Effects: Systemic effects
Value: 37,6 mg/m^3

End Use: Workers
Exposure Routes: Skin contact
Potential Health Effects: Systemic effects
Exposure time: 1 day
Value: 20,8 mg/kg

End Use: Consumers
Exposure Routes: Ingestion
Potential Health Effects: Systemic effects
Exposure time: 1 day
Value: 12,5 mg/kg

End Use: Consumers
Exposure Routes: Skin contact
Potential Health Effects: Systemic effects
Exposure time: 1 day
Value: 12,5 mg/kg

PNEC

Fresh Water
Value: 0,45 mg/l

Marine Water
Value: 0,045 mg/l

Ceiling Limit Value
Value: 4,5 mg/l

8.2 Exposure Controls

Personal Protective Equipment

Respiratory Protection: Breathing apparatus only if aerosol or dust is formed
Particle filter EN 143. Type P1, low efficiency

Hygiene Measures: Wash hands and exposed skin after use

Environmental Exposure Controls

General Advice: Do not empty into drains

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Brown Liquid
Odour:	Almost odourless
pH:	6-7 (typical)
Boiling Point/Range:	Not specified
Flash Point/Flammability:	Not classified as flammable
Explosive Properties:	Not classified as explosive
Oxidising Properties:	Potassium Nitrate is an oxidizer
Vapour Pressure:	Not specified
Relative Density:	1.072g/ml (typical) @ 20ºC
Solubility:	Soluble in water
Partition Coefficient:	Not specified
Viscosity:	Not specified
Vapour Density:	Not specified
Evaporation Rate:	Not specified

9.2 Other information

Not Available

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under recommended storage conditions

10.2 Chemical stability

No decomposition if stored and applied as directed. Decomposes on heating

10.3 Possibility of hazardous reactions

Evolution of ammonia under influence of alkalies

10.4 Conditions to avoid

Keep away from heat and sources of ignition

10.5 Incompatible materials

Avoid sulphur, chlorites,chloride,chlorates, Hypochlorites, acid or alkaline reacting substances, flammable oxidizable substances, flammable ozidizable substances, nitrites, metallic salts, metallic powder, herbicide, chlorinated hydrocarbons, organic compounds

10.6 Hazardous decomposition products

Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia

Section 11: Toxicological Information

11.1 Information on toxicological effects

Potassium Nitrate

Acute Oral Toxicity:	LD_{50}: >2.000 mg/kg, Rat
Acute Inhalation Toxicity:	LC_{50}: >0,527 mg/l, Rat
Acute Dermal Toxicity:	LD_{50}: >5.000 mg/kg, Rat

Skin Corrosion/Irritation:	Rabbit, Result: no skin irritation
Serious Eye Damage/Eye Irritation:	Rabbit, Result: no eye irritation
STOT - Repeated Exposure:	Rat, 1 day, NOAEL: >1.500 mg/kg

Section 12: Ecological Information

12.1 Toxicity

Potassium Nitrate

Toxicity to Fish:	LC_{50}: 100 mg/l, 96h, various species
Toxicity to Daphnia and Aquatic Invertebrates:	EC_{50}: 490 mg/l, 48h, Daphnia magna (Water flea)
Toxicity to Algae:	LC_{50}: >=1.700 mg/l, 10 day

12.2 Persistence & Degradability

Components:

No Data available

12.3 Bioaccumulative Potential

Product

Bioaccumulation is unlikely

12.4 Mobility

Product

Mobility: Groundwater contamination is unlikely

Distribution among environmental compartments: No data available

12.5 Results of PBT and vPvB assessment

Product

No data available

12.6 Other Adverse Effects

Product

There is a high probability that the product is acute not harmful to aquatic organisms. Additional ecological information: The product has not been tested. The information is derived from the properties of the individual components. At higher pH values, which can be found in natural surface waters, an increase of toxic effects on aquatic organisms may be expected

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product Disposal:	Dispose of according to local and national regulations
Container Disposal:	Triple rinse containers with water and dispose of according to local and national regulations

Section 14: Transport Information

Not classified as Hazardous for Road Transport

14.1 UN number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
14.6 Special precautions for user
14.7 Transport in bulk according to Annex II of MARP0L73/78 and the IBC Code

Section 15: Regulatory Information

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

Water Contaminating Class: WGK 1 slightly endangering (Germany)

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

Section 16: Other Information

Text of Phrases mentioned in Sections 2 and 3: No-H Statement

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.