

Kelp Xpress

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

1.1. Product identifier

Product form : Mixture
Product name : Kelp Xpress
Product code : M77728

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

1.3. Details of the supplier of the safety data sheet

JR Simplot Company
Boise, ID 83707
T 1-208-336-2110

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5		Not classified
Protein Hydrolysate	(CAS No) 10029-45-8		Not classified
Kelp	(CAS No) 84775-78-0		Not classified
Monopotassium phosphate	(CAS No) 7778-77-0		Not classified
calcium disodium ethylenediaminetetraacetate	(CAS No) 62-33-9		Not classified
potassium sorbate	(CAS No) 24634-61-5		Not classified
edta iron(iii) sodium salt	(CAS No) 15708-41-5		Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
hexamethylenetetramine	(CAS No) 100-97-0		Flam. Sol. 2, H228 Skin Sens. 1, H317 Aquatic Acute 3, H402

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

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First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

edta iron(iii) sodium salt (15708-41-5)

USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
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8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

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Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Dark brown liquid.
Color	: dark brown
Odor	: Moderate
Odor threshold	: No data available
pH	: 3.5 - 4.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: 0 °C
Boiling point	: 100 °C
Flash point	: 93.3 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 9.01 - 9.35 lbs/gal
Solubility	: Soluble. Water:
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Oxidizing Agent. Excessive heat and open flame. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent. reducing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Monopotassium phosphate (7778-77-0)	
LD50 oral rat	7100 mg/kg (Rat)
LD50 dermal rabbit	> 4640 mg/kg (Rabbit)
ATE US (oral)	7100.00000000 mg/kg body weight

edta iron(iii) sodium salt (15708-41-5)	
LD50 oral rat	5000 mg/kg (Rat)
ATE US (oral)	5000.00000000 mg/kg body weight

hexamethylenetetramine (100-97-0)	
LD50 oral rat	> 5000 mg/kg (Rat)

potassium sorbate (24634-61-5)	
LD50 oral rat	4340 mg/kg (Rat)
LD50 dermal rat	7940 mg/kg (Rat)
ATE US (oral)	4340.00000000 mg/kg body weight
ATE US (dermal)	7940.00000000 mg/kg body weight

calcium disodium ethylenediaminetetraacetate (62-33-9)	
LD50 oral rat	10000 mg/kg (Rat)
ATE US (oral)	10000.00000000 mg/kg body weight

Skin corrosion/irritation	: Not classified pH: 3.5 - 4.5
Serious eye damage/irritation	: Not classified pH: 3.5 - 4.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Monopotassium phosphate (7778-77-0)	
LC50 fish 1	> 900 mg/l (48 h; Leuciscus idus)
EC50 other aquatic organisms 1	2 ppm (672 h; Potamogeton sp.; O2 evolution)
Threshold limit other aquatic organisms 1	1 ppm (672 h; Potamogeton sp.; O2 evolution)
Threshold limit algae 1	1 ppm (672 h; Elodea sp.; O2 evolution)
Threshold limit algae 2	> 5 ppm (672 h; Elodea sp.; O2 evolution)

edta iron(iii) sodium salt (15708-41-5)	
LC50 fish 1	2592 mg/l (96 h; Pisces)

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hexamethylenetetramine (100-97-0)	
LC50 fish 1	49800 mg/l (96 h; Pimephales promelas; Measured concentration)
EC50 Daphnia 1	36000 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	3 g/l (336 h; Selenastrum capricornutum; Growth rate)
LC50 fish 2	49000 mg/l (96 h; Cyprinodon variegatus; Nominal concentration)
EC50 Daphnia 2	92.500 mg/l (96 h; Crustacea)
Threshold limit algae 1	1500 mg/l (336 h; Selenastrum capricornutum)

calcium disodium ethylenediaminetetraacetate (62-33-9)	
LC50 fish 1	1827 mg/l (96 h; Lepomis macrochirus)
LC50 fish 2	2340 mg/l (96 h; Lepomis macrochirus)

12.2. Persistence and degradability

Kelp Xpress	
Persistence and degradability	Not established.

Monopotassium phosphate (7778-77-0)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Kelp (84775-78-0)	
Persistence and degradability	Not established.

edta iron(iii) sodium salt (15708-41-5)	
Persistence and degradability	Biodegradable in water. Not established.

hexamethylenetetramine (100-97-0)	
Persistence and degradability	Hydrolysis in water. Not established.
Biochemical oxygen demand (BOD)	0.026 g O ₂ /g substance
ThOD	1.37 g O ₂ /g substance (NH ₃)
BOD (% of ThOD)	0.01897 % ThOD

potassium sorbate (24634-61-5)	
Persistence and degradability	Biodegradability in water: no data available. Not established.

calcium disodium ethylenediaminetetraacetate (62-33-9)	
Persistence and degradability	Biodegradability in water: no data available. Not established.

Water (7732-18-5)	
Persistence and degradability	Not established.

Protein Hydrolysate (10029-45-8)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Kelp Xpress	
Bioaccumulative potential	Not established.

Monopotassium phosphate (7778-77-0)	
Bioaccumulative potential	No bioaccumulation data available.

Kelp (84775-78-0)	
Bioaccumulative potential	Not established.

edta iron(iii) sodium salt (15708-41-5)	
Log Pow	-10.6
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.

hexamethylenetetramine (100-97-0)	
Log Pow	-4.15 - -2.13
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.

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potassium sorbate (24634-61-5)

Bioaccumulative potential	No bioaccumulation data available. Not established.
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calcium disodium ethylenediaminetetraacetate (62-33-9)

Log Pow	-10.42 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.

Water (7732-18-5)

Bioaccumulative potential	Not established.
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Protein Hydrolysate (10029-45-8)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Kelp Xpress

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for:

Kelp	CAS No 84775-78-0
potassium sorbate	CAS No 24634-61-5
Protein Hydrolysate	CAS No 10029-45-8

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Kelp (84775-78-0)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Protein Hydrolysate (10029-45-8)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

hexamethylenetetramine (100-97-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Data sources	:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	:	None.

Full text of H-phrases: see section 16:

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Sol. 2	Flammable solids Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H228	Flammable solid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life

SDS US (GHS HazCom 2012)

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