

JTM 8-2-7 with Sea Kelp

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 : JTM 8-2-7 with Sea Kelp

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

JTM Nutrients
Anaheim, CA 92806
949-632-7378

1.4. Emergency telephone number

Emergency number : 1-800-846-2817

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 3 H316
Eye Irrit. 2B H320
STOT SE 3 H335

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H316 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - If on skin: Wash with plenty of water/...
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a poison center/doctor/... if you feel unwell
P321 - Specific treatment (see ... on this label)
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P337 + P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container to ... in accordance with local/regional/national regulations

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	**%	GHS-US classification
Monoammonium phosphate	(CAS No) 7722-76-1		Eye Irrit. 2B, H320 STOT SE 3, H335

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Potassium sulfate	(CAS No) 7778-80-5		Not classified
Ammonium sulfate	(CAS No) 7783-20-2		Eye Irrit. 2B, H320 STOT SE 3, H335
Methylene urea	(CAS No) 9011-05-6		Skin corrosion/irritant 3, H316, Eye damage/irritation 2B, H320
Humic Shale Ore	NA		NA
Soft Rock phosphate	(CAS No) 1306-05-4		Eye Irrit. 2B, H320 STOT SE 3, H335 Skin Irrit. 2, H315, Eye Irrit. 2A, H319
Iron oxide	(CAS No) 1309-37-1		Skin irrit. 2, H315 Eye Irrit. 2A, H319 Stot SE 3, H335
Sea Kelp	(CAS No) 84775-78-0		Not classified

*Ingredients without weight % are considered proprietary based on trade secrets.

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.
- 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 : On land, sweep or shovel into suitable containers. Minimize generation of dust. 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 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 sources of ignition.
: Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
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 : Solid
Appearance : Multicolored granules.
Color : Multi-colored
Odor : No data available on odor
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : >3000 degrees F.
Freezing point : No data available
Boiling point : No data available
Flash point : Non-flammable
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
Solubility : Water: Solubility in water of component(s) of the mixture :
Methylene urea: 1g/ml, Monoammonium Phosphate: 38 g/100ml, Potassium sulfate: 11 g/100ml, Ammonium sulfate: 75.4, Iron oxide: Insoluble, Soft Rock phosphate: NA, Sea Kelp: NA, Humic Shale Ore: NA
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
Oxidising 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

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent. Prolonged contact may cause oxidation of unprotected metals. Strong acids. Strong bases.

10.6. Hazardous decomposition products

During high temperature in fire conditions. The product may reach melting point and decompose to release NH₃, SO_x, PO_x, or CN. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ammonium sulfate (7783-20-2)

LD50 oral rat	2840 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
ATE US (oral)	2840.00000000 mg/kg bodyweight

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Methylene urea (9011-05-6)	
LD50 oral rat	14,300 mg/kg (Rat)
ATE US (oral)	3000.00000000 mg/kg bodyweight
Monoammonium Phosphate (7722-76-1)	
LD50 oral rat	5750 mg/kg (Rat)
LD50 dermal rat	> mg/kg
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
ATE US (oral)	5750.00000000 mg/kg bodyweight
Potassium sulfate (7778-80-5)	
LD50 oral rat	6600 mg/kg (Rat)
ATE US (oral)	6600.00000000 mg/kg bodyweight
Iron oxide (1309-37-1)	
LD50 oral rat	5,000 to 10,000 mg/kg (Rat)
ATE US (oral)	5000.00000000 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitisation	: 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)	: May cause respiratory irritation.
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

SECTION 12: Ecological information

12.1 Toxicity

Potassium Sulfate (7778-80-5)	
LC50 fish	653-796 mg/l (96 h; <i>Lepomis macrochirus</i>)
EC50 Daphnia	890 mg/l (96 h; <i>Daphnia magna</i>)
Persistence and degradability	Contains organic compounds that are not biodegradable
Biocumulative potential	Not expected to biocumulate
Mobility in soil	This ingredient is soluble in water

Ammonium Sulfate (7783-20-2)	
LC50 fish 1	126 mg/l (96 h; <i>Poecilla reticulata</i>)
EC50 Daphnia 1	202 mg/l (96 h; <i>Daphnia magna</i>)
LC50 fish 2	250-480 mg/l (96 h; <i>Brachydanio rerio</i>)
EC50 Daphnia 2	433 mg/l (50 h; <i>Daphnia magna</i>)
TLM fish 1	1290 ppm (96 h; <i>Gambusia affinis</i>)
Persistence and degradability	No data available. Not established.
Biocumulative potential	Not applicable. Not established.
Mobility in soil	Log Pow - 5.1. No additional information available.

Methylene Urea (9011-05-6)	
Freshwater fish	LS50>10 g/L 96h
Microtox	<i>Pseudomonas putida</i> EC50=6.532 mg/L 17h
Freshwater Algae	Not listed
Water Flea	Not listed
Persistence and degradability	No information available
Biocumulative potential	No information available
Mobility in soil	No information available

Humic Sale Ore (NA)	
Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released	
Persistence and degradability	No information available
Biocumulative potential	No information available
Mobility in soil	No information available

Soft Rock Phosphate (1306-05-4)	
Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released	
Persistence and degradability	No information available
Biocumulative potential	No information available
Mobility in soil	No information available

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Iron Oxide	
Persistence and degradability	No information available
Biocumulative potential	No information available
Mobility in soil	No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations	Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management
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SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

ADR - Transport documentation description

Transport by Sea - no additional information available

Air Transport - No additional information available

SECTION 15: Regulatory information

15.1 US Federal regulations

No additional information available

15.2 International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

15.2.2 National regulations

No additional information available

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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, labelling 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:	
H316	Causes mild skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

SDS US (GHS HazCom 2012) - Custom

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