



**Multicote™**  
**Multicote 14-14-16+ME**

Date of compilation: 6/10/2009

Revised: 6/19/2024

Version: 1.3 (Replaced 1.2)

### SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** Multicote™  
Multicote 14-14-16+ME
- Other means of identification:**  
Synonyms: Multicote(4)14-14-16+TE, Multicote(4)14-14-16+ME
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses: Fertilizer. For professional users/industrial user only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**
- Haifa North America  
Cranes Roost Blvd 307  
Suite 2030, Altamonte Springs, Florida 32701  
Tel: +1-800- 649- 4944  
Fax: +1-(407) 862 6400  
NorthAmerica@haifa-group.com
- 1.4 Emergency phone number:** U.S Poison Control: 1-800-222-1222

### SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**29 CFR 1910.1200:**  
Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.  
Aquatic Acute 3: Hazardous to the aquatic environment, acute hazard, Category 3, H402  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
- 2.2 Label elements:**  
**29 CFR 1910.1200:**  
**Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
**Precautionary statements:**  
P273: Avoid release to the environment.  
P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- 2.3 Hazards not otherwise classified (HNO):**  
Not applicable (N/A)

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**  
Non-applicable
- 3.2 Mixtures:**  
**Chemical description:** Mixture composed of inorganic substances  
**Components:**  
Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

- CONTINUED ON NEXT PAGE -



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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification	Concentration
CAS: 7757-79-1	<b>Potassium nitrate</b> Ox. Sol. 3: H272 - Warning	20 - <30 %
CAS: 6484-52-2	<b>ammonium nitrate</b> Acute Tox. 5: H303; Eye Irrit. 2A: H319; Ox. Sol. 3: H272 - Warning	6.7 - <10 %
CAS: 7783-20-2	<b>Ammonium sulphate</b> Acute Tox. 5: H303	6.7 - <10 %
CAS: 12179-04-3	<b>Disodium tetraborate pentahydrate</b> Eye Irrit. 2A: H319; Repr. 1B: H360 - Danger	0.01 - <0.3 %
CAS: 7758-98-7	<b>Copper sulphate</b> Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2A: H319; Skin Irrit. 2: H315 - Warning	0.01 - <0.3 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**Other information:**

Identification	M-factor
Copper sulphate CAS: 7758-98-7	Acute 10
	Chronic 1

**SECTION 4: FIRST-AID MEASURES**

**4.1 Description of necessary measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Not applicable (N/A)

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. Use preferably water.

**Unsuitable extinguishing media:**

Non-applicable

**5.2 Specific hazards arising from the chemical:**

- CONTINUED ON NEXT PAGE -



**Multicote™**  
**Multicote 14-14-16+ME**

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**SECTION 5: FIRE-FIGHTING MEASURES (continued)**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and materials for containment and cleaning up:**

For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

- CONTINUED ON NEXT PAGE -

**Multicote™**  
**Multicote 14-14-16+ME**

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

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits	
	8-hour TWA PEL	Ceiling Values - TWA PEL
Calcium sulfate CAS: 7778-18-9	5 mg/m <sup>3</sup>	
Disodium molybdate · 2H <sub>2</sub> O CAS: 10102-40-6	5 mg/m <sup>3</sup>	

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits	
	TLV-TWA	TLV-STEL
Calcium sulfate CAS: 7778-18-9	10 mg/m <sup>3</sup>	
iron (II) sulfate · 7(H <sub>2</sub> O) CAS: 7782-63-0	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
manganese sulphate · (H <sub>2</sub> O) CAS: 10034-96-5	0.02 mg/m <sup>3</sup>	
Disodium tetraborate pentahydrate CAS: 12179-04-3	2 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>
Disodium molybdate · 2H <sub>2</sub> O CAS: 10102-40-6	0.5 mg/m <sup>3</sup>	

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupational exposure limits	
	PEL	STEL
iron (II) sulfate · 7(H <sub>2</sub> O) CAS: 7782-63-0	1 mg/m <sup>3</sup>	
manganese sulphate · (H <sub>2</sub> O) CAS: 10034-96-5	0.2 mg/m <sup>3</sup>	
Disodium tetraborate pentahydrate CAS: 12179-04-3	5 mg/m <sup>3</sup>	
Disodium molybdate · 2H <sub>2</sub> O CAS: 10102-40-6	0.5 mg/m <sup>3</sup>	
Copper sulphate CAS: 7758-98-7	1 mg/m <sup>3</sup>	

Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

**8.2 Appropriate engineering controls:**


A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.35 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -





**Multicote™**  
**Multicote 14-14-16+ME**

Date of compilation: 6/10/2009

Revised: 6/19/2024

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

**Volatility:**

Boiling point at atmospheric pressure:	Not applicable (N/A) *
Vapour pressure at 68 °F:	Not applicable (N/A) *
Vapour pressure at 122 °F:	Not applicable (N/A) *
Evaporation rate at 68 °F:	Not applicable (N/A) *

**Product description:**

Density at 68 °F:	Not applicable (N/A) *
Relative density at 68 °F:	Not applicable (N/A) *
Dynamic viscosity at 68 °F:	Not applicable (N/A) *
Kinematic viscosity at 68 °F:	Not applicable (N/A) *
Kinematic viscosity at 104 °F:	Not applicable (N/A) *
Concentration:	Not applicable (N/A) *
pH:	Not applicable (N/A) *
Vapour density at 68 °F:	Not applicable (N/A) *
Partition coefficient n-octanol/water 68 °F:	Not applicable (N/A) *
Solubility in water at 68 °F:	Not applicable (N/A) *
Solubility properties:	Not applicable (N/A) *
Decomposition temperature:	Not applicable (N/A) *
Melting point/freezing point:	Not applicable (N/A) *

**Flammability:**

Flash Point:	Non-applicable
Flammability (solid, gas):	Not applicable (N/A) *
Autoignition temperature:	Not applicable (N/A) *
Lower flammability limit:	Not applicable (N/A) *
Upper flammability limit:	Not applicable (N/A) *

**Explosive (Solid):**

Lower explosive limit:	Not applicable (N/A) *
Upper explosive limit:	Not applicable (N/A) *

**Particle characteristics:**

Median equivalent diameter:	Not applicable (N/A) *
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**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties:	Not applicable (N/A) *
Oxidising properties:	Not applicable (N/A) *
Corrosive to metals:	Not applicable (N/A) *
Heat of combustion:	Not applicable (N/A) *
Aerosols-total percentage (by mass) of flammable components:	Not applicable (N/A) *

**Other safety characteristics:**

Surface tension at 68 °F:	Not applicable (N/A) *
Refraction index:	Not applicable (N/A) *

\*Not applicable (N/A) due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

- CONTINUED ON NEXT PAGE -



**Multicote™**  
**Multicote 14-14-16+ME**

Date of compilation: 6/10/2009

Revised: 6/19/2024

Version: 1.3 (Replaced 1.2)

**SECTION 10: STABILITY AND REACTIVITY (continued)**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Precaution	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions it could be released: Mixture composed of inorganic substances.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Not applicable (N/A)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -



**Multicote™**  
**Multicote 14-14-16+ME**

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not applicable (N/A)

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Potassium nitrate CAS: 7757-79-1	LD50 oral	3750 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
ammonium nitrate CAS: 6484-52-2	LD50 oral	2217 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Ammonium sulphate CAS: 7783-20-2	LD50 oral	2840 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Disodium tetraborate pentahydrate CAS: 12179-04-3	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Copper sulphate CAS: 7758-98-7	LD50 oral	300 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**

**Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50	EC50		
ammonium nitrate CAS: 6484-52-2	LC50	5697 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	Not applicable (N/A)		
	EC50	Not applicable (N/A)		
Ammonium sulphate CAS: 7783-20-2	LC50	36.7 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	433 mg/L (50 h)	Daphnia magna	Crustacean
	EC50	Not applicable (N/A)		
Copper sulphate CAS: 7758-98-7	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae

**Chronic toxicity:**

Identification	Concentration		Species	Genus
	NOEC	NOEC		
Potassium nitrate CAS: 7757-79-1	NOEC	157 mg/L	Pimephales promelas	Fish
	NOEC	245 mg/L	Hydra attenuata	Crustacean

**12.2 Persistence and degradability:**

- CONTINUED ON NEXT PAGE -



**Multicote™**  
**Multicote 14-14-16+ME**

Date of compilation: 6/10/2009      Revised: 6/19/2024      Version: 1.3 (Replaced 1.2)

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Not available

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
Ammonium sulphate CAS: 7783-20-2	BCF	
	Pow Log	-5.1
	Potential	

**12.4 Mobility in soil:**

Not available

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Disposal methods:**

IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTING.

**Waste management (disposal and evaluation):**

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

**Regulations related to waste management:**

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.

State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state's policies.

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods:

**14.1 UN number:**

**14.2 UN proper shipping name:**

**14.3 Transport hazard class(es):**

Labels:

**14.4 Packing group, if applicable:**

**14.5 Marine pollutant:** No

**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**

Physico-Chemical properties: see section 9

Limited quantities:

**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

**Annex II of MARPOL 73/78 and the IBC Code):**

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:

- CONTINUED ON NEXT PAGE -

**Multicote™**  
**Multicote 14-14-16+ME**

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**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 **UN number:** UN2071
- 14.2 **UN proper shipping name:** AMMONIUM NITRATE BASED FERTILIZER
- 14.3 **Transport hazard class(es):** 9  
Labels: 9
- 14.4 **Packing group, if applicable:** III
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Special regulations: 186, 193  
EmS Codes: F-H, S-Q  
Physico-Chemical properties: see section 9  
Limited quantities: 0  
Segregation group: SGG2
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:



- 14.1 **UN number:** UN2071
- 14.2 **UN proper shipping name:** AMMONIUM NITRATE BASED FERTILIZER
- 14.3 **Transport hazard class(es):** 9  
Labels: 9
- 14.4 **Packing group, if applicable:** III
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Physico-Chemical properties: see section 9
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

**SECTION 15: REGULATORY INFORMATION**

- 15.1 **Safety, health and environmental regulations specific for the product in question:**

- CONTINUED ON NEXT PAGE -



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**Multicote 14-14-16+ME**

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**SECTION 15: REGULATORY INFORMATION (continued)**

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Disodium molybdate · 2H<sub>2</sub>O* (10102-40-6) ; *Copper sulphate* (7758-98-7)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Not applicable (N/A)
- CANADA-Domestic Substances List (DSL): *Potassium nitrate* (7757-79-1) ; *Ammonium dihydrogenorthophosphate* (7722-76-1) ; *Potassium nitrate* (7757-79-1) ; *diammonium hydrogenorthophosphate* (7783-28-0) ; *ammonium nitrate* (6484-52-2) ; *Ammonium sulphate* (7783-20-2) ; *Magnesium sulphate* (7487-88-9) ; *Ethylenediaminetetraacetic acid, ferric sodium salt, trihydrate* (15708-41-5) ; *Calcium sulfate* (7778-18-9) ; *Water* (7732-18-5) ; *Calcium bis(dihydrogenorthophosphate)* (7758-23-8) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) - 1000 lb ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) - 1 lb ; *Zinc sulfate monohydrate* (7446-19-7) - 1 lb ; *Copper sulphate* (7758-98-7) - 10 lb
- Hazardous Air Pollutants (Clean Air Act): *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5)
- Massachusetts RTK - Substance List: *Potassium nitrate* (7757-79-1) ; *Potassium nitrate* (7757-79-1) ; *ammonium nitrate* (6484-52-2) ; *Ammonium sulphate* (7783-20-2) ; *Calcium sulfate* (7778-18-9) ; *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Disodium tetraborate pentahydrate* (12179-04-3) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- Minnesota - Hazardous substances ERTK: *Calcium sulfate* (7778-18-9) ; *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Disodium tetraborate pentahydrate* (12179-04-3) ; *Disodium molybdate · 2H<sub>2</sub>O* (10102-40-6)
- New Jersey Worker and Community Right-to-Know Act: *Potassium nitrate* (7757-79-1) ; *Potassium nitrate* (7757-79-1) ; *ammonium nitrate* (6484-52-2) ; *Calcium sulfate* (7778-18-9) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Disodium tetraborate pentahydrate* (12179-04-3) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- New York RTK - Substance list: *Potassium nitrate* (7757-79-1) ; *Potassium nitrate* (7757-79-1) ; *ammonium nitrate* (6484-52-2) ; *Ammonium sulphate* (7783-20-2) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Disodium tetraborate pentahydrate* (12179-04-3) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- NTP (National Toxicology Program): Not applicable (N/A)
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Not applicable (N/A)
- Pennsylvania Worker and Community Right-to-Know Law: *Potassium nitrate* (7757-79-1) ; *Potassium nitrate* (7757-79-1) ; *ammonium nitrate* (6484-52-2) ; *Ammonium sulphate* (7783-20-2) ; *Calcium sulfate* (7778-18-9) ; *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- Rhode Island - Hazardous substances RTK: *iron (II) sulfate · 7(H<sub>2</sub>O)* (7782-63-0) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)
- The Toxic Substances Control Act (TSCA) : *Potassium nitrate* (7757-79-1) ; *Ammonium dihydrogenorthophosphate* (7722-76-1) ; *Potassium nitrate* (7757-79-1) ; *diammonium hydrogenorthophosphate* (7783-28-0) ; *ammonium nitrate* (6484-52-2) ; *Ammonium sulphate* (7783-20-2) ; *Magnesium sulphate* (7487-88-9) ; *Ethylenediaminetetraacetic acid, ferric sodium salt, trihydrate* (15708-41-5) ; *Calcium sulfate* (7778-18-9) ; *Water* (7732-18-5) ; *Calcium bis(dihydrogenorthophosphate)* (7758-23-8) ; *Copper sulphate* (7758-98-7)
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *Potassium nitrate* (7757-79-1) ; *Potassium nitrate* (7757-79-1) ; *ammonium nitrate* (6484-52-2) ; *manganese sulphate · (H<sub>2</sub>O)* (10034-96-5) ; *Zinc sulfate monohydrate* (7446-19-7) ; *Copper sulphate* (7758-98-7)

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

**Other legislation:**

Take into consideration other applicable federal, state, and local laws and local regulations.

Fertilizers and amending materials are regulated at the state level rather than by the Federal Government. Please, Use the links below to either visit a specific state's agriculture website, or use the links to view the available state laws and regulations: [https://www.aapfco.org/state\\_info.html](https://www.aapfco.org/state_info.html). This Safety Data Sheet is not a guarantee of product specification or NPK value(s).

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

**Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects.

H402: Harmful to aquatic life.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**29 CFR 1910.1200:**

- CONTINUED ON NEXT PAGE -



**Multicote™**  
**Multicote 14-14-16+ME**

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**SECTION 16: OTHER INFORMATION (continued)**

Acute Tox. 4: H302 - Harmful if swallowed.  
Acute Tox. 5: H303 - May be harmful if swallowed.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
Eye Irrit. 2A: H319 - Causes serious eye irritation.  
Ox. Sol. 3: H272 - May intensify fire, oxidiser.  
Repr. 1B: H360 - May damage fertility or the unborn child.  
Skin Irrit. 2: H315 - Causes skin irritation.

**Advice related to training:**

According to 29 CFR 1910.1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

**Principal bibliographical sources:**

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
CL50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon  
IARC: International Agency for Research on Cancer

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Manufacturer Disclaimer: The information contained in this safety data sheet ("SDS") is based on sources, technical knowledge and current legislation. Furthermore, is based on data believed to be accurate; thus, the company does not assume any liability for its accuracy. The information provided herein cannot be considered a guarantee of the properties of this product and the same is simply a description of the security requirements. The use, occupational methodology and/or conditions for users of this product are not within our awareness or control. It is ultimately the responsibility of the user(s) to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information of this SDS only refers to this product, which should not be used for purposes other than those specified. Finally, the manner in which this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).

END OF SAFETY DATA SHEET