


SAFETY DATA SHEET	
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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier Product

name: Multicote Urea Trade

Name: Multicote Urea

Product type: Polymer coated controlled release fertilizer

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

Fertilizer or component of mixed fertilizers.

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification

USA Importer:

Haifa North America
307 Cranes Roost Blvd
Suite 2030, Altamonte Springs, Florida
32701 Tel: +1-800- 649- 4944
Fax: +1-(407) 862 6400
E-mail: NorthAmerica@haifa-group.com

European Importer:

Haifa Chemicals Northern Europe
Generaal de Wittelaan 17, bus 16,
B-2800 Mechelen, Belgium
Tel: +32-15-270811
E-mail: NorthWestEurope@haifa-group.com

Other Countries

Supplier/Manufacturer:

Haifa Chemicals Ltd.
P.O.Box 15011, Matam
Haifa, 31905, Israel
Tel: 972-74-7373737
Fax: 972-74-7373733

E-mail address of person responsible for this SDS: Regulatory@haifa-group.com

1.4 Emergency telephone number


Emergency telephone number (during hours of operation): +972-74-7373737

CHEMTREC (U.S.): 1-800-424-9300

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

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Product name	GHS Classification
Multicote Urea	Not classified

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

Product name	EU Classification
Multicote Urea	Not classified

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms: Not required

Signal word: Not required

Hazard statements: Not classified

Precautionary Statements: Not classified

2.3 Other hazard

N/A

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation:

Product/ Ingredient name	Identifiers	%	EU Classification	GHS Classification
Urea	CAS number:57-13-6 EC number: 200-315-5 REACH registration no: 01-2119463277-33	85-95	-	-
Dicarbonimidic diamide	CAS number: 108-19-0 EC number: 203-559-0	1-2	-	-
Polymer coating	CAS number: N/A EC number: N/A	5-15	-	-

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.


See section 16 for the full text of the H-statements and R-phrases declared above.

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes rinse opened eyes under running water for at least 15 minutes and seek medical advice.

Skin contact: In case of contact with skin wash off immediately with mild soap and plenty of water

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for at least 15 minutes, and seek medical advice.

Inhalation: Remove the casualty into fresh air and keep him calm. Apply artificial respiration if necessary and get medical attention immediately.

Ingestion: If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If victim is conscious give water to drink.

4.2 Most important symptoms and effects, both acute and delayed

May be harmful if inhaled, absorbed through skin and swallowed. May cause skin, eyes and respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote, medical staff contacts Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Special treatments: No specific treatment

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable: Use an extinguishing agent suitable for surrounding fire.

Not suitable: N/A

5.2 Special hazards arising from the substance or mixture

Under fire emits Oxides of nitrogen, Hydrogen cyanide, Ammonia, irritating and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

Remark: Move containers from fire area if possible to do so without risk.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid contact with skin and eyes. Avoid breathing dust. Avoid dust formation. Remove all sources of ignition. Ventilate area of spill.

6.2 Environmental precautions


Do not let this chemical enter the environment. Keep away from drains, surface and ground water.

6.3 Methods and materials for containment and cleaning up

Use a tool to scoop up solid material and place into appropriate labeled waste container.

Large spill: As for small spill.

Personal Protection in Case of Large Spill: Safety glasses. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

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6.4 Reference to other sections


See Sections 1 for emergency contact information

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid prolonged or repeated exposure.

Hygiene Measures: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

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7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed, in dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Do not store together with strong oxidizing agents and ammonium nitrate fertilizers.

7.3 Specific end use(s): N/A

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values: N/A

8.2 Exposure controls

Engineering Measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified or equivalent. Wear appropriate respirator when ventilation is inadequate.

Eye/face protection: Wear chemical safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Hand protection: Wear protective disposable gloves to prevent skin exposure.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Tan brown

granules/prills Odour: odorless

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: Not flammable

Upper/lower flammability or explosive limits:

N/A Vapor pressure: N/A

Vapor density (air=1):

N/A Relative Density: N/A

Solubility(ies): polymer coated particles are not soluble in water. Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

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Decomposition temperature: N/A
Viscosity: N/A
Explosive properties: Not explosive
Oxidizing properties: Not oxidizer

9.2 Other information:

N/A

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in section 7.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

N/A

10.5 Incompatible materials

Strong oxidizing agents and ammonium nitrate fertilizers.

10.6 Hazardous Decomposition products:

N/A

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Product/ingredient name	Test	Species	Dose
Urea	LD50, Oral LD50, Oral	Rat Mouse	8471 mg/kg 11000 mg/kg

Irritation: May cause skin, eyes and respiratory tract irritation.


Corrosivity: N/A

Sensitization: May cause sensitization by skin contact.

Repeated dose toxicity: N/A

Carcinogenicity: Carcinogenicity: This product does not contain any substances that are considered by IARC, NTP, OSHA, EU or ACGIH to be "probable" or "suspected" human carcinogens.

Mutagenicity: N/A

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Toxicity for reproduction: Female rats were gavaged with urea at doses equivalent to 500 mg/kg bw/d during gestation for 14 days. Pups were necropsied at 48 hours after delivery and assessed for teratogenicity and renal effects. No hypertrophy or other kidney changes were detected in the pups, nor were any teratogenic effects noted. Pup weight at birth was slightly lower in the treated group (5.15g) compared to controls (5.93p), but pups from treated dams gained more weight over the study period.

Other effects: May be harmful if inhaled, absorbed through skin and swallowed.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity: N/A

12.2 Persistence and Degradability:

Urea may biodegrade to a moderate extent.

12.3 Bioaccumulative potential:

Urea has an experimentally-determined bioconcentration factor (BCF) of less than 100 and not expected to significantly bioaccumulate.

12.4 Mobility in soil

Soil/water partition coefficient (Koc): N/A

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects: N/A

Section 13: DISPOSAL CONSIDERATIONS

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Hazardous waste: N/A

Section 14: TRANSPORT INFORMATION

International transport

regulations 14.1 Un number:

ADR/RID: -

IMDG: -

IATA: -

14.2 Proper shipping name:

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated


14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

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ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazard

ADR/RID: -

IMDG: -

IATA: -

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

Section 15: REGULATORY INFORMATION

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments)

EU Regulation(EC) No.1907/2006 (REACH), No 1272/2008 (CLP)

15.2 Chemical safety assessment

No data available

Section 16: OTHER INFORMATION

Training advice: Before using/handling the product one must read carefully present MSDS.

Recommended restriction: N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology Program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

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To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.