	IMS FORMAT	Document No. : IMS -S-HSE-040-F
		Page of : 1 of 6
		Rev. No. : 02
TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET		

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Urea, granular
Formula: NH ₂ CONH ₂
Product Use: Agricultural industry: Fertilizer, manufacturing of specialty fertilizers Industrial application: Production of specialty pollution control solutions
Synonyms: Carbamide
Manufacturer's Name: Oman India Fertiliser Company S.A.O.C
Address: P.O. Box:67, P.C:411, Sur, Sultanate of Oman Tel: (+968)25532000, Website: www.omifco.com , Email: info@omifco.com
Emergency Telephone: Tel: (+968)25532167

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Component	%	CAS Number
Urea	100	57-13-6

SECTION 3 — HAZARDS IDENTIFICATION

Classification of the Substance or Mixture: GHS-US Classification: Not classified
Label Elements: GHS-US Labelling: No Labelling applicable
Other Hazards: Eyes: Eye irritant. May cause irritation, redness and pain. Skin: Skin irritant. May cause irritation, redness, itching and pain. Not expected to be toxic by dermal exposure. Inhalation: Not expected to be toxic by inhalation. Urea dust may cause coughing and irritation of the nose, throat and respiratory tract. Ingestion: Not found to be toxic by oral exposure. May cause irritation of the digestive tract if ingested. Nausea, vomiting, diarrhea and transient disorientation may occur in the event a large quantity has been ingested. Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders and respiratory (asthma-like) disorders. Late Toxicities: Urea is not known to cause mutagenic, carcinogenic or reproductive effects from concentrations or exposure routes normally experienced in the workplace.



IMS FORMAT

Document No. : IMS -S-HSE-040-F

Page of : 2 of 6

Rev. No. : 02

TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET

SECTION 4 — FIRST AID MEASURES

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if necessary

Skin Contact:

Wash off with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Inhalation:

Move to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration.

Ingestion:

Do not induce vomiting. Get medical attention if symptoms occur.

Most Important Symptoms and Effects Both Acute and Delayed:

None expected under normal conditions of use

Notes to Physician:

Treat symptomatically

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Urea is non-flammable; use agent most appropriate to extinguish surrounding fire.

Unsuitable Extinguishing Media:

No information available

Specific Hazards Arising from the Substance or Mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products:

Carbon monoxide (CO) Carbon dioxide (CO₂) Nitrogen oxides (NO_x), Ammonia (NH₃)

Advice for fire-fighters:

As in any fire, wear self-contained breathing apparatus and full protective gear. Do not allow run-off from the firefighting to enter drains or water courses.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions:


Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Environmental Precautions:

Keep product out of sewage, drainage systems and all bodies of water.

Methods for Containment and Clean Up:

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

	IMS FORMAT	Document No. : IMS -S-HSE-040-F
		Page of : 3 of 6
		Rev. No. : 02
TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET		

SECTION 7 — HANDLING AND STORAGE

Precautions for safe handling:

Handle using good industrial hygiene and safety procedures.
Wear appropriate personal protective equipment.
Avoid breathing dust.
Do not eat, drink or smoke when working with this material.
Avoid contact with skin and eyes. Wash hands and other areas of contact thoroughly with soap and water after handling this material.

Conditions for safe storage:

Store material in the original container protected from direct sunlight in a clean, cool, dry and well ventilated area.
Protect from moisture.
Store this material away from incompatible materials (Section 10).

Specific end use(s):

In Agriculture as Fertilizer, manufacturing of specialty fertilizers. Production of specialty pollution control solutions

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines:

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures:

Provide adequate ventilation in storage and handling areas. Provide emergency eye wash station in the vicinity of potential exposure.

Personal Protective Equipment:

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles
Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.
Hand Protection: Impermeable protective gloves should be worn at all times when handling chemical products
Respiratory Protection: No protective equipment is needed under normal use conditions.
General Hygiene measures: Wash contaminated clothing before reuse. Wash hands after handling the material particularly before eating or drinking. Avoid breathing dust



IMS FORMAT

Document No. : IMS -S-HSE-040-F

Page of : 4 of 6

Rev. No. : 02

TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Solid	Appearance : White granules
Odour : Odourless or slight Ammonia odour	pH : 7.2 (10% water solution)
Molecular Weight : 60.07	Melting / Freezing point : Decomposes above 132.6°C (270.7°F)
Boiling Point : No data available	Flash Point : No data available
Evaporation Rate : No data available	Self-ignition temperature : No data available
Decomposition temperature : 132.6°C (270.7°F)	Flammability : No data available
Flammability limits : No data available	Vapor Pressure @ 20°C : No data available
Relative vapor density @ 20°C : No data available	Specific Gravity : No data available
Density : 48-52 lb / ft ³	Solubility in water : 119 g at 77°F (25°C)
Viscosity, dynamic : No data available	Explosive properties : No data available

SECTION 10 — STABILITY AND REACTIVITY

Reactive Hazard: None known, based on information available
Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible products. Excess heat. Avoid dust formation. Protect from moisture.
Incompatible Materials: Strong oxidizing agents such as Nitric acid, sodium nitrite, nitrosyl perchlorate, gallium perchlorate, hypochlorites, phosphorus pentachloride.
Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)
Hazardous Polymerization: Hazardous polymerization does not occur.
Hazardous Reactions: None under normal processing.



IMS FORMAT

Document No. : IMS -S-HSE-040-F

Page of : 5 of 6

Rev. No. : 02

TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified.

Oral: Low acute toxicity - LD50 (rat) =8471mg/kg

Dermal: No data available

Skin Corrosion / Irritation: Prolonged contact can cause irritation.

Serious damage / Irritation: Can cause irritation.

Respiratory or skin sensitization: Not classified.

GERM cell mutagenicity: Not classified

Carcinogenicity: Not classified

Mutagenicity: Not classified

Reproductive toxicity: Not classified

Teratogenicity: Not classified

Specific Target Organ toxicity (single exposure): Not classified

Specific Target Organ toxicity (repeated exposure): Not classified

Aspiration Hazard: Not classified

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity

LC50 Fish: 16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)

EC50 Daphnia: 3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Persistence and Degradability:

Not established

Bio-accumulative Potential:

Not established

Mobility in Soil:

Not available

Other Adverse Effects:

Other Information: Avoid release to the environment.



IMS FORMAT

Document No. : IMS -S-HSE-040-F

Page of : 6 of 6

Rev. No. : 02

TITLE : UREA GRANULAR SAFETY DATA SHEET SAFETY DATA SHEET

SECTION 13 — DISPOSAL CONSIDERATIONS

Urea is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261 and not listed as a RCRA Toxic Hazardous Waste. Consult local, state and/or provincial environmental regulatory authorities for acceptable disposal procedures and locations. Follow standard disposal procedures.

SECTION 14 — TRANSPORT INFORMATION

Urea is not listed as a hazardous material by the U.S. Department of Transportation (DOT), Transportation of Dangerous Goods (TDG-Canada), International Maritime Dangerous Goods Code (IMDG), and International Air Transport Association (IATA).

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulation:

Urea (57-13-6) is listed on the United State TSCA (Toxic Substances Control Act) inventory.

Not listed under TSCA 12(b), SARA 313, Clean Water Act, Clean Air Act, CERCLA, and U.S. State Right-to-Know Regulations

OSHA (Occupational Safety and Health Administration):

Not listed.

Canada

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): This product is on the Domestic Substances List (DSL) and is acceptable for use under the provisions of CEPA.

CANADIAN WHMIS CLASSIFICATION: Not a WHMIS controlled product.

WHMIS: This product is not considered hazardous according to WHMIS.

SECTION 16 — OTHER INFORMATION

Issue Date: 01/09/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its issue. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release of this substance. However, this shall not to be considered a warranty or quality specification and OMICO assumes no liability in connection with the use of the information contained herein by any party. 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.