



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 1: Company and Product Identification

---

**Product Name:** Urea

**INCI Name:** Urea

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245  
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands      CALL +1 800-424-9300  
In case of difficulties or for ships at sea      CALL +1 703-527-3887  
In Europe, Middle East, Africa, Asia Pacific, South America      CALL +1 703-527-3887

### Section 2: Hazards Identification

---

GHS07

GHS08

BLANK

BLANK

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Classification:** Serious eye damage/eye irritation: Category 2A

Germ cell mutagenicity: Category 2

**Hazard Statements:** H319 Causes Serious eye irritation.

H341 Suspected of causing genetic defects.

H336 May cause drowsiness or dizziness.

**Precautionary Statements:** P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P271 Use only outdoors or in a well-ventilated area.

P264 Wash hands thoroughly after handling.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents.container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other Hazards:** None



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 3: Composition / Information on Ingredients

---

Name	Hazard Category	CAS#	Weight %
Urea	Not classified	57-13-6	98 - 100%

**Additional Information:** Impurities and stabilizing additives which are themselves and which contribute to the classification of the substance: Not applicable.

### Section 4: First Aid Measures

---

**Notable Exposure symptoms:** Causes serious eye irritation. Narcotic effect. Treat symptomatically. Symptoms may be delayed.

**If ingested:** Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

**If inhaled:** Move to fresh air. Get medical attention if symptoms persist.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Skin contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

### Section 5: Fire Fighting Measures

---

**General Info:** Flash Point: Not applicable.

**Extinguishing Method /**

**Equipment:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** Not available.

### Section 6: Accidental Release Measures

---

**Personal precautions, protective**

**equipment and procedures:** Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so.

**Containment Equipment and**

**Procedures:** Non-hazardous, but avoid direct releases to the environment.

**Cleanup Procedures:** Shovel up and place in container for salvage or disposal.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 7: Handling and Storage

---

**Safe Handling Precautions:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Avoid inhalation of dust and vapors. Do not taste or swallow. Wash hands thoroughly after handling. Use only with adequate ventilation.

**Recommendations for Storage:** Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.

### Section 8: Exposure Control / Personal Protection

---

**Control Parameters:** Not available.

#### General / Engineering

**Controls:** Good general ventilation (typically 10 air changes per hour) should be used. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits.

**Eye/face protection:** Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

**Hand Protection:** Chemical resistant gloves.

**Body Protection:** Suitable protective clothing.

**Respiratory Protection:** Air purifying respirator with a high efficiency particulate filter.

**Thermal Hazards:** Not available.

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 9: Physical and Chemical Properties

---

**Physical State:** Solid

**Appearance:** Crystals to powder

**Color:** White

**Odor:** Ammoniacal

**Odor Threshold:** Not available

**pH:** 7.2 (100 g/l)

**Melting Point:** 132.7 °C

**Freezing Point:** Not determined

**Boiling Point:** Decomposes

**Flash Point (COC):** Not applicable

**Auto-ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Evaporation Rate:** Not available

**Vapor Pressure:** 0.002 Pa (25 °C)

**Explosive Limits:** Not available

**Vapor Density:** Not available

**Molecular Weight:** 60.06 g/mol

**Water Solubility:** 624 g/l (20 °C)

**Viscosity (cP):** Not available

**Explosion Properties:** None

**Oxidizing Properties:** None

**Partition coefficient:** -2.11

**Other information:** None available

### Section 10: Stability and Reactivity

---

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous**

**Reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Excessive heat.

**Incompatible Materials:** Strong oxidizing agents. Chlorinated compounds.

**Hazardous Decomposition**

**Products:** Thermal decomposition may produce oxides of carbon and nitrogen. Ammonia.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 11: Toxicological Information

---

#### Information on Likely Routes of Exposure.

**Ingestion:** Expected to be a low ingestion hazard.

**Inhalation:** May cause central nervous system effects.

**Skin Contact:** May cause irritation.

**Eye Contact:** Causes eye irritation.

#### Information on Toxicological Effects.

##### Acute Toxicity (list all possible routes of exposure).

**Oral:** LD 50 (Rat): 8,471 mg/kg

**Dermal:** Not available.

**Inhalation:** Not available.

**Repeated Dose:** Not available.

**Skin Corrosion/Irritation:** May cause skin irritation.

##### Serious Eye Damage/Eye

**Irritation:** Causes serious eye irritation.

##### Respiratory or Skin

**Sensitization:** Not a skin sensitizer.

**Carcinogenicity:** No carcinogenic components identified.

**IARC Monographs:** No carcinogenic components identified.

**Germ Cell Mutagenicity:** In vitro Suspected of causing genetic defects.

**Reproductive Toxicity:** No components toxic for reproduction.

**STOT - SE:** Narcotic effect.

**STOT - RE:** Not available.

**Aspiration Hazard:** Not classified

**Other Effects:** Not available.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 12: Ecological Information

---

#### Ecotoxicity

**Acute Hazards - Aquatic:** Not available

**Chronic Hazards - Aquatic:** Not available

#### Persistence and Degradability

**Biodegradation:** The product is moderately biodegradable.

**BOD/COD Ratio:** Not available.

#### Bioaccumulative Potential

**Bioconcentration Factor:** Not available.

#### Partition Coefficient n-octanol/

**Water (log Kow):** Log Kow: -2.11

**Mobility in Soil:** Not available.

**Other Adverse Effects:** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Other Adverse Effects:** None known

### Section 13: Disposal Information

---

**Product disposal:** Dispose of product in accordance with local, regional, and national regulations.

**Container disposal:** Dispose of container in accordance with licensed collector's sorting instructions.

**Other considerations:** No further information.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class(es):</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing Group:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental Hazards:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Special Precautions for User:</b>	None	None	None	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable	Not applicable	Not applicable	Not applicable

### Section 15: Regulatory Information

**Mexico (PRTR):** Not applicable.

**Montreal Protocol:** Not applicable.

**Stockholm Convention:** Not applicable.

**Rotterdam Convention:** Not applicable.

**Kyoto Protocol:** Not applicable.

**California Prop 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



# Safety Data Sheet

## Urea

Complies with 29 CFR 1910.1200

### Section 16: Other Information

---

**Indication of Changes:** Version 1.1 created March 22, 2021

**List of Relevant R-phrases**

(number and full text): Not applicable

**Legal Disclaimer:** Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

LOTIONCRAFTER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, LOTIONCRAFTER WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.