

## Urea (USP)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 08-25-2015  
Supersedes: 11-15-2014

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Urea (USP)	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>	carbamide (resin), carbamimidic acid, ureaphil, carbonyl diamide	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Urea	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	57-13-6	<b>Web:</b>	www.makingcosmetics.com
<b>Formula:</b>	CH <sub>4</sub> N <sub>2</sub> O	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not classified												
<b>GHS Hazard Pictograms:</b>	None												
<b>GHS Precautionary Statements:</b>	None												
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<b>Potential Health Hazards:</b>	Eyes: May be irritant. Inhalation: No data available. Skin: May be irritant. Ingestion: May be harmful.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td style="text-align: center;">1</td> <td style="padding-left: 20px;">Slight</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">1</td> <td style="padding-left: 20px;">Slight</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> <td style="padding-left: 20px;">Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td style="text-align: center;">n/a</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	n/a	
Health	1	Slight											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	n/a												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Urea	57-13-6	90-100%	60.06 g/mol

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with water for 15 minutes. Seek medical advice should irritation occur and persist.
<b>Inhalation:</b>	Avoid breathing dust. May cause irritation to the respiratory tract.
<b>Skin:</b>	Wash off skin with soap and water. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	May cause gastrointestinal disturbances. Seek medical advice.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Not flammable or explosive
<b>Special protective equipment &amp; precautions for firefighters:</b>	Firefighters should wear full protective clothing including self-contained breathing Apparatus.
<b>Flash Points:</b>	Not determined
<b>Specific hazards arising from the chemical:</b>	None known

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	See section 8 for recommendations on the use of personal protective equipment.
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**Environmental precautions:** Prevent product from entering waterways, sewers, basements or confined areas.  
**Methods and material for containment and cleaning up:** Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Surface may become slippery after spillage. Use vacuum or broom and remove to disposal container.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.  
**Conditions for safe storage, incl. any incompatibilities:** Avoid freezing or excessive heat. Do not handle or store near an open flame, head or other sources of ignition. Keep container tightly closed and in a cool, well ventilated place.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Urea	Not determined		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Safety glasses, goggles or face shield recommended for eye protection.  
**Inhalation:** Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.  
**Body:** Gloves recommended to prevent skin contact.  
**Other:** Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Powder	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Slight ammonia odor	<b>Vapor Density:</b>	1.335 g/cm <sup>3</sup> at 20 °C
<b>Taste:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Color:</b>	clear	<b>Flammability:</b>	Not available
<b>Molecular Weight:</b>	60.06 g/mol	<b>Upper/lower Explosive Limit:</b>	Not available
<b>pH (1% sol. in water)</b>	7.2 (5% solution)	<b>Solubility:</b>	Soluble in water
<b>Boiling Point:</b>	Not available	<b>Flash Point:</b>	Not available
<b>Melting Point:</b>	104 °C (220 °F)	<b>Specific Gravity:</b>	Not available

## 10 STABILITY AND REACTIVITY

**Reactivity:** Product is stable  
**Chemical Stability:** Product is stable  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Data not available  
**Incompatible Materials:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Burning can produce carbon monoxide, carbon dioxide, nitrogen oxides and ammonia

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Acute oral toxicity (LD50) >8471 mg/kg (rats)  
**Skin:** Irritant  
**Eyes:** Irritant  
**Respiratory:** Data not available  
**Ingestion:** May be harmful if swallowed. Seek medical advice.  
**Carcinogenicity:** Not available  
**Teratogenicity:** Not available  
**Germ Cell Mutagenicity:** Not available

<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Respiratory/Skin Sensitization:</b>	None known

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Aquatic Vertebrate:</b>	Not available
<b>Aquatic Invertebrate:</b>	Not available
<b>Terrestrial:</b>	Not available
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>PBT and vPvB Assessment:</b>	Not available
<b>Other Adverse Effects:</b>	May cause long term adverse effects in the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers:</b>	Data not available.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Listed as Urea.
<b>DSCL (EEC):</b>	This product is not classified according to the EU regulations. Not applicable.
<b>WHMIS (Canada):</b>	Not controlled under WHMIS (Canada)

## 16 OTHER INFORMATION

<b>Revision Date:</b>	08-25-2015
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.