

Urea, USP

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

Revision Date: 26-Aug-2020
Supersedes: 09-Jun-2016

1 PRODUCT & COMPANY IDENTIFICATION

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

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified												
GHS Labeling:	Not classified												
GHS Hazard Pictograms:	None												
GHS Hazard Statements:	None												
GHS Precautionary Statements:	None												
Potential Health Hazards:	Eyes: May cause eye irritation. Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Skin: May be harmful if absorbed through skin. May cause skin irritation. Ingestion: May be harmful if swallowed.												
NFPA Ratings (704):	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	0	Minimal	Flammability	0	Minimal	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	0	Minimal											
Flammability	0	Minimal											
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	>98%	60.06 g/mol

4 FIRST AID MEASURES

Eyes:	In case of eye contact, rinse with plenty of water and seek medical attention if necessary.
Inhalation:	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Ingestion:	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Product may be flammable at high temperatures. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	No data available
Specific hazards arising from the chemical:	Emits toxic fumes (carbon oxides, nitrogen oxides) under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up:

Cleanup personnel need personal protection from inhalation and skin/eye contact. Evacuate and ventilate area. Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:
Conditions for safe storage, incl. any incompatibilities:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
 Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component
Urea

Exposure Limits
10 mg/m³

Basis
WEEL

Entity
USA

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: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.
Inhalation: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Body: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the workplace.
Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystals to white powder	Vapor Pressure:	0.009 hPa (0.007 mmHg) @ 20°C/77°F
Odor:	Ammonia to odor in presence of moisture	Vapor Density:	2.07
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	No data available
Molecular Weight:	60.06 g/mol	Upper/lower Explosive Limit:	No data available
pH:	7.5-9.5 (480 g/L at 25°C / 77°F)	Solubility:	480 g/L @ 20°C/77°F
Boiling Point:	No data available	Flash Point:	Flammable in presence of heat
Melting Point:	133°C (271°F)	Specific Gravity:	No data available
Relative Density:	No data available	Auto-Ignition Temperature:	470°C / 878°F
Partition Coefficient: n-	Log Pow: -2.59 to -1.59	Decomposition Temperature:	No data available

octanol/water:			
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Heat, moisture.
Incompatible Materials:	Sources of ignition, oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No skin irritation
Eyes:	No eye irritation
Respiratory:	No data available
Ingestion:	LD50: 8471 mg/kg
Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by IARC, ACGIH, NTP, or OSHA.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	LC50: 17500 mg/L (96h) (<i>Poecilia reticulata</i>)
Aquatic Invertebrate:	EC50: 3910 mg/L (48h) (<i>Daphnia magna</i>)
Terrestrial:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Bioconcentration Factor (BCF):	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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.

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

DOT (Dept. of Transportation, USA):	Not regulated as dangerous goods
TDG (Transportation of Dangerous Goods, Canada):	Not regulated as dangerous goods
IMDG (International Maritime Dangerous Goods):	Not regulated as dangerous goods
IATA (International Air Transport Association):	Not regulated as dangerous goods. Marine Pollutant: No
ICAO (International Civil Aviation Organization):	Not regulated as dangerous goods

15 REGULATORY INFORMATION

TSCA Inventory Status:	All ingredients are listed on the TSCA Inventory.
DSCL (EEC):	All ingredients are listed on the DSCL Inventory.
WHMIS (Canada):	Not listed
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
SARA 302:	Not listed
SARA 304:	Not listed
SARA 313:	Not listed
SARA 311/312 Hazard Categories:	No SARA Hazard
California Prop. 65:	Not listed

16 OTHER INFORMATION

Revision Date:	26-Aug-2020
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	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.