

# Material Safety Data Sheet (MSDS)

urea

INCI Name : urea

Handmade Cosme & Aromatherapy  
Sysoap

37-20 Jyugaoka Iwaki Fukushima Japan

## Company Information

Company: With Love Co.,Ltd

Address: 37-20 Jiyugaoka Iwaki Fukushima

## 1. PRODUCT IDENTIFICATION

Product Name: urea

INCI Name: urea

Synonyms: carbamide, carbamimidic acid

CAS Number: 57-13-6

EINECS Number: 200-315-5

Origin: synthetic

## 2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: 104oC (220oF)

Boiling Point: not determined

Vapor Pressure: not determined

Vapor Density: not determined

Evaporation Rate: not determined

Density: 1.335 g/cm<sup>3</sup> at 20oC

Solubility in water: soluble

pH Value: 7.2 (5% solution)

Appearance & Odor: white crystalline powder, ammonia-odor

## 3. STABILITY & REACTIVITY

Chemical Stability: stable

Incompatibility: oxidizing agents

Hazardous Decomposition Products: burning can produce  
carbon monoxide, carbon dioxide, nitrogen oxides, and ammonia

Hazardous Polymerisation: will not occur

## 4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, wellventilated place.

## 5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers,

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basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

## **6. EXPOSURE CONTROLS & PERSONAL PROTECTION**

Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.

Protective Clothing: Gloves recommended to prevent skin contact. Safety glasses, goggles, or face shield recommended for eye protection.

Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

## **7. HAZARDS IDENTIFICATION**

Inhalation: Avoid breathing dust. May cause irritation to the respiratory tract.

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation.

Ingestion: May cause gastrointestinal disturbances.

## **8. FIRST AID MEASURES**

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Skin: Wash exposed areas of the body with soap and water.

Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion: Seek medical advice

## **9. FIRE FIGHTING MEASURES**

Flash Point: Not applicable

Flammability, Danger of Explosion: not flammable or explosive

Fire Fighting Procedures: Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## **10. TOXICOLOGICAL INFORMATION**

Acute Toxicity: LD50 >8471 mg/kg (oral, rats)

Irritation Tests: irritant to skin, mucous membranes and eyes

Sensitization: No sensitizing effects known

Chronic Toxicity: Urea causes teratogenic and carcinogenic effects

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in laboratory animals, and mutagenic effects in humans (via intraplacental route). To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. RTECS contains carcinogenic data for components in this product. No classification on carcinogenicity is available from EPA, IARC, NTP, OSHA, ACGIH.

## **11. DISPOSAL CONSIDERATIONS**

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

## **12. TRANSPORT INFORMATION**

General: not regarded as hazardous material

DOT Regulations, Hazard Class: none

ADR/RIC Code, Hazard Class: none

Sea Transport IMDG Code, , Hazard Class: none

Air Transport IATA, , Hazard Class: none

## **13. 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.