Conforms: GHS (rev 4) (2011)

(This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012.) - United States

Date of issue/ Date of revision Date of previous issue Version 01/06/2021 11/25/2014 2.1

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SAFETY DATA SHEET

#### UREA

Section 1. Identification		
Product identifier Product type Product code	: UREA : solid (granules, prills) : CHM1008, CHM2008, CHM3008	
<u>Uses</u> Uses	<ul><li>Slows the drying process when applying dye solutions</li><li>directly to fabric</li></ul>	
<u>Supplier</u> Supplier's name	: RUPERT, GIBBON & SPIDER, INC.	
<u>Address</u> Street Postal code City Country	<ul> <li>1147 Healdsburg Ave.</li> <li>95448</li> <li>Healdsburg, CA</li> <li>United States</li> </ul>	
Telephone number Fax no. e-mail address of person responsible for this SDS Emergency telephone number (with hours of operation)	<ul> <li>1-800-442-0455 / +1 707-433-9577</li> <li>+1 707-433-4906</li> <li>service@jacquardproducts.com</li> <li>ChemTel, Inc Contract #MIS9128344 N.America: 1-800-255-3924 / International: 1-813-248-0585</li> </ul>	

Name Telephone number	:	The National Poisons Emergency number 1 800 222 1222
Section 2. Hazar	ds ide	ntification
OSHA/HCS status	:	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture.	:	Not classified.
GHS label elements Signal word		No signal word.

Hazard statements	:	Not applicable.
<u>Precautionary statements</u> General	:	Not applicable.
Hazards not otherwise classified	:	Product forms slippery surface when combined with water.

## Section 3. Composition/information on ingredients

#### Substance/mixture

Substance

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CAS number/other identifiers		
Other means of identification		Urea
CAS number	1.1	57-13-6

Ingredient name	CAS number	%
Urea	57-13-6	100

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	<ul> <li>Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.</li> </ul>
Inhalation	<ul> <li>If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</li> </ul>
Skin contact	<ul> <li>Wash with soap and water. Get medical attention if irritation develops.</li> </ul>
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.
<u>Most important symptom</u> Potential acute health e	ns/effects, acute and delayed ffects

Eye contact Inhalation	<ul> <li>No known significant effects or critical hazards.</li> <li>Exposure to decomposition products may cause a health</li> </ul>
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Skin contact Ingestion	:	hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards.	
Over-exposure signs/symptom	<u>ıs</u>		
Eye contact	:	No specific data.	
Inhalation	:	No specific data.	
Skin contact	:	No specific data.	
Ingestion	:	No specific data.	
Indication of immediate medical attention and special treatment needed, if necessary			
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
Specific treatments Protection of first-aiders	-	No specific treatment. No action shall be taken involving any personal risk or without suitable training.	

See toxicological information (Section 11)

#### Section 5. Fire-fighting measures Extinguishing media Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire. 2 Unsuitable extinguishing None identified. ż media Specific hazards arising from 2 No specific fire or explosion hazard. the chemical Hazardous thermal Decomposition products may include the following materials: decomposition products carbon dioxide carbon monoxide nitrogen oxides ammonia Avoid breathing dusts, vapors or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed. Special protective actions for ÷ Promptly isolate the scene by removing all persons from the fire-fighters vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Special protective equipment Fire-fighters should wear appropriate protective equipment ŝ for fire-fighters and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Non-flammable.

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Remark

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Remark

None.

### Section 6. Accidental release measures

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Personal precautions, protective e	qu	ipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for contain	me	ent and cleaning up
	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

#### Section 7. Handling and storage Precautions for safe handling **Protective measures** Put on appropriate personal protective equipment (see 2 Section 8). Advice on general Eating, drinking and smoking should be prohibited in areas occupational hygiene where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Conditions for safe storage. Store in accordance with local regulations. Store in original 2 including any incompatibilities container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed

 and sealed until ready for use. Containers that have been

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opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Section 8. Exposure controls/personal protection

<b>AIHA</b> TWA	sure limits WEEL (1999-01-01) 10 mg/m3 H REL (2005-09-30) Good general ventilation should be sufficient to control worker
	exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
<u>.</u>	
:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. A washing facility or water for eye and skin cleaning purposes should be present. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and
	:

#### Control parameters

the safe working limits of the selected respirator.

### Section 9. Physical and chemical properties

<u>Appearance</u> Physical state Color Odor Odor threshold pH	<ul> <li>solid [granules, prills]</li> <li>White.</li> <li>Odorless.</li> <li>Not determined.</li> <li>9 [Conc.: 100 g/l] @ 20 °C (68 °F)</li> </ul>
Melting/freezing point	: 133 - 134 °C (271 - 273 °F)
Boiling/condensation point Sublimation temperature Flash point	<ul><li>Not determined.</li><li>Not determined.</li><li>Not applicable</li></ul>
Fire point Evaporation rate Flammability (solid, gas)	<ul> <li>Not determined.</li> <li>Not determined.</li> <li>Non-flammable.</li> </ul>
Lower and upper explosive (flammable) limits Vapor pressure	<ul> <li>Lower: Not determined.</li> <li>Upper: Not determined.</li> <li>0.000016 hPa</li> </ul>
Vapor density	: 2.07 [Air = 1]
Bulk density	: 760 - 800 kg/m3
Density	: 1.33 g/cm3 @ 20 °C (68 °F)
Relative density Solubility	<ul> <li>Not determined.</li> <li>Easily soluble in the following materials: cold water</li> </ul>
Solubility in water	: 624 g/l @ 20 °C (68 °F)
Partition coefficient: n- octanol/water	: Not determined.
Auto-ignition temperature	: Not determined.
Decomposition temperature Viscosity	<ul> <li>Not determined.</li> <li>Dynamic: Not determined.</li> <li>Kinematic: Not determined.</li> </ul>
Explosive properties Oxidizing properties	None.

## Section 10. Stability and reactivity

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Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Avoid contamination by any source including metals, dust and organic materials.
Incompatible materials Remark	:	Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride. acids alkalis Nitrites and nitrates
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on toxicological effects

Product/ingre dient name	Result	Species	Dose	Exposure	References
Urea					
	LD50 Oral	Rat	14,300 mg/kg OECD 401	Not applicable.	IUCLID 5
Conclusion/Su	mmary	: No know	wn significant effects	s or critical haza	ards.
Irritation/Corro	<u>sion</u>				
Conclusion/Su	mmary				
Skin		: No know	wn significant effects	s or critical haza	ards.
Eyes		: No know	wn significant effects	s or critical haza	ards.
Respiratory		: No known significant effects or critical hazards.			
Sensitization					
Conclusion/Su	mmary	• No know	wn significant effects	or critical baz	orde
Respiratory			wn significant effects		
<u>Mutagenicity</u>					
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### **Conclusion/Summary**

No known significant effects or critical hazards.

**Carcinogenicity** 

Product/ingredient	Result	Species	Dose	Exposure	References
name Urea	Negative - Oral - NOAEL	Rat	2,250 mg/kg	Not applicable.	IUCLID 5

#### **Conclusion/Summary**

: No known significant effects or critical hazards.

#### Reproductive toxicity

Product/ing redient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure	References
Urea	Not applicable.	Not applicable.	Negative	Rat	Oral: 500 mg/kg	7 days per week	IUCLID 5

**Conclusion/Summary** : No known significant effects or critical hazards.

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#### Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

#### Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

#### Aspiration hazard

No known significant effects or critical hazards.

Information on the likely routes of exposure	:	Not available.	
Potential acute health effects			
Eye contact Inhalation	:	No known significant effects or critical hazards. Exposure to decomposition products may cause a l hazard. Serious effects may be delayed following e	
Skin contact Ingestion	÷	No known significant effects or critical hazards. No known significant effects or critical hazards.	Ap 0001 21
Symptoms related to the physic	<u>al, c</u>	hemical and toxicological characteristics	
Eye contact	1	No specific data.	
Inhalation	:	No specific data.	
Skin contact	:	No specific data.	
Ingestion	:	No specific data.	
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#### Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure		
Potential immediate effects	1.1	Not available.
Potential delayed effects	10	Not available.
Long term exposure		
Potential immediate effects	1.1	Not available.
Potential delayed effects		Not available.

#### Potential chronic health effects

Product/ingredient	Result	Species	Dose	Exposure	References
name Urea	NOAEL Oral	Rat	2,250 mg/kg	12months 7 days per week	IUCLID 5
Carcinogenicity	: No	known signific	ant effects or	critical hazard	ls.
Mutagenicity	: No	known signific	ant effects or	critical hazard	ls.
Fertility effects	: No	known signific	ant effects or	critical hazard	ls.
Developmental effects	: No	known signific	ant effects or	critical hazard	ls.
Effects on or via lactation	n : No	known signific	ant effects or	critical hazard	ls.
Other effects	: No	known signific	ant effects or	critical hazard	ls.
<u>Over-exposure signs/syr</u>	nptoms				
Eye contact	: No	specific data.			
Inhalation	: No	specific data.			
Skin contact	: No	specific data.			
Ingestion	: No	specific data.			

#### Numerical measures of toxicity

Acute toxicity estimates

Not available.

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure	References
Urea				
	Acute LC50 6,810 mg/l Fresh water	Fish	96 h	IUCLID 5
	Acute EC50 10,000	Water flea	24 h	IUCLID 5
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mg/I Fresh water			
Chronic NOEC 47	Algae	192 h	IUCLID 5
mg/l Fresh water			

#### Conclusion/Summary

: No known significant effects or critical hazards.

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum	References
Urea	302B Inherent Biodegradabilit y: Zahn- Wellens/EMP A Test	96 % - Inherently biodegradable - 16 d	Not applicable	Activated sludge	IUCLID

**Conclusion/Summary** 

No known significant effects or critical hazards.

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential		
Urea	1.73	Not applicable.	low		
Conclusion/Summary	: No known s	significant effects or critic	al hazards.		
Mobility in soil					
Soil/water partition coefficient (KOC)	: Not availab	Not available.			
Mobility	•	This product may move with surface or groundwater flows because its water solubility is: high			
Other adverse effects	: No known s	significant effects or critic	al hazards.		

## Section 13. Disposal considerations

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Product

Methods of disposal

:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil,
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waterways, drains and sewers.

# Section 14. Transport information

Regulation: UN Class	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	No.
Additional information Environmental hazards	: No.

Regulation: IMDG		
14.1 UN number	Not regulated.	
14.2 UN proper shipping name	Not applicable.	
14.3 Transport hazard class(es)	Not applicable.	
14.4 Packing group	Not applicable.	
14.5 Environmental hazards	No.	
Additional information		
Marine pollutant	: No.	

Regulation: IATA	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	No.
Additional information	
Marine pollutant	: No.

Regulation: DOT Classification		
14.1 UN number	Not regulated.	
14.2 UN proper shipping name	Not applicable.	
14.3 Transport hazard class(es)	Not applicable.	
14.4 Packing group	Not applicable.	
14.5 Environmental hazards	No.	
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Additional information <u>Marine pollutant</u>	: Not available.
Regulation: TDG Class	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	No.
Additional information Not applicable. <u>Environmental hazards</u>	: No.

<u>14.6 Special precautions for</u> user	:	Transport within user's premises: Ensure that persons transporting the product know what to do in the event of an accident or spillage.
<u>IMSBC</u> Bulk cargo shipping name Class Group Marpol V	:	UREA Not applicable. C Non-HME
Transport in bulk according to Annex II of MARPOL and the IBC Code	:	Not applicable.

## Section 15. Regulatory information

### **United States**

U.S. Federal regulations	:	TSCA 8(a) CDR Exempt/Partial exemption: determined	Not
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed	
Clean Áir Act Section 602 Class I Substances	:	Not listed	
Clean Air Act Section 602 Class II Substances	:	Not listed	
DEA List I Chemicals (Precursor Chemicals)	:	Not listed	
DEA List II Chemicals (Essential Chemicals)	:	Not listed	
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#### SARA 302/304

#### **Composition/information on ingredients**

No products were found.

#### **SARA 304 RQ**

: Not applicable.

#### SARA 311/312

Classification

: Not applicable.

**Composition/information on ingredients** 

State regulations	
Massachusetts	: None of the components are listed.
New York	: None of the components are listed.
New Jersey	: None of the components are listed.
Pennsylvania	: None of the components are listed.

#### California Prop. 65

None of the components are listed.

Inventory list

Philippines inventory (PICCS): All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Japan inventory: All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Australia inventory (AICS): All components are listed or exempted.
Canada inventory: All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.
United States inventory (TSCA 8b): All components are listed or exempted.
EC INVENTORY (EINECS/ELINCS): All components are listed or exempted.

### Section 16. Other information

National Fire Protection Association (U.S.A.)

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification		Justification
Not classified.		
<u>History</u> Date of printing Date of issue/Date of revision Date of previous issue Version	: 01/06/ : 08/22/ : 11/25/ : 2.1	/2018
Key to abbreviations	BCF = GHS = Labell IATA = IBC = IMDG LogPc MARF Pollut 1978.	Acute Toxicity Estimate = Bioconcentration Factor = Globally Harmonized System of Classification and ing of Chemicals = International Air Transport Association Intermediate Bulk Container = International Maritime Dangerous Goods w = logarithm of the octanol/water partition coefficien POL = International Convention for the Prevention of on From Ships, 1973 as modified by the Protocol of ("Marpol" = marine pollution) United Nations

Indicates information that has changed from previously issued version.

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completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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