



# United States Material Safety Data Sheet

The Scotts Company  
14111 Scottslawn Road  
Marysville, Ohio 43041  
United States

24 h. EMERGENCY TELEPHONE NUMBER  
CHEMTREC (U.S.) 1-800-424-9300  
CHEMTREC (International) 1-703-527-3887  
Non-Emergency Calls  
1-937-644-0011

## BONUS S 29-1-10

### 1. Product and company identification

MSDS # : 320000000470  
EPA Registration Number: : 538-18

### 2. Hazards identification

**Physical state** : solid [Granular]  
**Odor** : Fertilizer  
**Signal word** : CAUTION!  
**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Emergency Overview** Causes moderate eye irritation.  
Avoid contact with eyes, skin and clothing.

#### Potential acute health effects

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin** : No known significant effects or critical hazards.  
**Eyes** : No known significant effects or critical hazards.  
**Target organs** : Contains material which causes damage to the following organs:  
liver  
upper respiratory tract  
skin  
eyes  
central nervous system (CNS)

**Potential chronic health effects** : See section 11 for more information.

#### Over-exposure signs/symptoms

**Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Skin** : No specific data.  
**Eyes** : No specific data.  
**Medical conditions aggravated** : Pre-existing skin disorders may be aggravated by over-exposure to this

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by over-exposure product.  
See toxicological information (Section 11)

### 3. Composition/information on ingredients

Name	CAS number	%
Urea	57-13-6	>40 - <=70
1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-	1912-24-9	>1 - <=3

### 4. First aid measures

- Eye contact** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Skin contact** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

### 5. Fire-fighting measures

**Flammability of the product** : No specific fire or explosion hazard.

#### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.  
**Not suitable** : None known.

**Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

**Personal precautions** : Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).

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**Environmental precautions** : To protect the environment, do not allow pesticide to enter or run-off into storm drains, drainage ditches gutters or surface waters

### Methods for cleaning up

- Small spill** : 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** : Vacuum or sweep up material and place in container for disposal. Never place down drain.

## **7. Handling and storage**

- Handling** : Avoid inhalation or contact with skin, eyes or clothing. Avoid container breakage. Do not contaminate water sources when disposing of equipment washwater or rinsate. Keep out of lakes, stream or ponds. Keep out of reach of children.
- Storage** : Store in original container in a cool, dry, well-ventilated area inaccessible to children and pets. Do not contaminate food or feedstuffs.

## **8. Exposure controls/personal protection**

### Occupational exposure limits

<b>Ingredient</b>	<b>Exposure limits</b>
Urea	<b>AIHA WEEL (1999-01-01)</b> Time Weighted Average (TWA) 10 mg/m <sup>3</sup>
1,3,5-Triazine-2,4-diamine, 6-chloro-N <sup>2</sup> -ethyl-N <sup>4</sup> -(1-methylethyl)-	<b>OSHA PEL 1989 (1989-03-01)</b> PEL: Permissible Exposure Level 5 mg/m <sup>3</sup> <b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 5 mg/m <sup>3</sup> <b>ACGIH TLV (1994-09-01)</b> Notes: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Refers to Appendix A -- Carcinogens. 1996 Adoption TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 5 mg/m <sup>3</sup>

**Consult local authorities for acceptable exposure limits.**

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : Use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.
- Hygiene measures** : Wash thoroughly with soap and water after handling. Remove and launder contaminated clothing before reuse.

### Personal protection

- Respiratory** : No special respiratory protection required. If ventilation is inadequate to

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- keep the airborne concentrations below the recommended exposure standard wear appropriate respiration protection.
- Hands** : Protective gloves are not required, but may be used in situations were significant contact is expected.
- Eyes** : Protective eyewear is not required, but may be used in situations were contact is expected.
- Skin** : Wear long-sleeved shirt, long pants, shoes with socks. Remove and wash contaminated clothing before reuse.
- Environmental exposure controls** : 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.

## 9. Physical and chemical properties

- Physical state** : solid [Granular]
- Flash point** : Not Applicable
- Burning time** : Not Applicable
- Auto-ignition temperature** : Not Applicable
- Flammable limits** : Not Applicable
- Density** : 46 lb/ft3
- Color** : Not Applicable
- Odor** : Fertilizer
- pH** : Not Applicable
- Boiling/condensation point** : Not Applicable
- Melting/freezing point** : Not Applicable
- Relative density** : Not Applicable
- Vapor pressure** : Not Applicable
- Vapor density** : Not Applicable
- Volatility** : Not Applicable
- Odor threshold** : Not Applicable
- Evaporation rate** : Not Applicable
- Viscosity** : Not Applicable
- Solubility** : Not Applicable
- Solubility in water** : Not Applicable

## 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Product	LD50 Oral	Rat	> 5,000 mg/kg	-
Product	LD50 Dermal	Rabbit	> 2,000 mg/kg	-

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Conclusion/Summary

**Irritation/Corrosion**

Skin Slight  
 Eyes Mild.  
 Respiratory May cause respiratory irritation

**Sensitizer**

Conclusion/Summary Skin Not available.  
 Respiratory Not available.

**Chronic toxicity**

Conclusion/Summary No known significant effects or critical hazards.

**Carcinogenicity**

Conclusion/Summary No known significant effects or critical hazards.

**Classification**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine	A4	3				

**Mutagenicity**

Conclusion/Summary No known significant effects or critical hazards.

**Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
Conclusion/Summary	No known significant effects or critical hazards.			

**Reproductive toxicity**

Conclusion/Summary No known significant effects or critical hazards.

**12.Ecological information**

**Ecotoxicity** : This product is toxic to aquatic invertebrates

**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure
1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-			
	Acute LC50 4.5 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	4 d
	Acute EC50 0.014 mg/l Fresh water	Aquatic plants - Green algae	4 d

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

**Persistence/degradability**

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

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**Partition coefficient: n-octanol/water** : No known significant effects or critical hazards.  
**Other adverse effects** : No known significant effects or critical hazards.

### 13. Disposal considerations

Waste disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. Transport information

<u>Regulatory information</u>	<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT		Not Regulated			

PG\* : Packing group

### 15. Regulatory information

#### United States

**U.S. Federal regulations** :

- SARA 302/304/311/312 extremely hazardous substances:** No products were found.
- SARA 302/304 emergency planning and notification:** No products were found.
- SARA 302/304/311/312 hazardous chemicals:** No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** Urea: Acu, Del Sulfuric acid ammonium salt (1:2): Acu 1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-: Acu, Del
- Clean Water Act (CWA) 307:** The following components are listed: Copper, [29H,31H-phthalocyaninato(2-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-4-1)-
- Clean Water Act (CWA) 311:** No products were found.
- Clean Air Act (CAA) 112 accidental release prevention:** No products were found.
- Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.
- Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

**United States inventory (TSCA 8b)** : All components are listed or exempted.

#### State regulations

**Massachusetts** : The following components are listed: Sulfuric acid ammonium salt (1:2) 1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-

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- New York** : None of the components are listed.
- New Jersey** : The following components are listed: Sulfuric acid ammonium salt (1:2)  
1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-
- Pennsylvania** : The following components are listed: Sulfuric acid ammonium salt (1:2)  
1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-
- California Prop. 65** : Not listed.

**International regulations**

- Canada inventory** : At least one component is not listed.
- International lists** :
  - Australia inventory (AICS):** At least one component is not listed.
  - Japan inventory:** At least one component is not listed.
  - China inventory (IECSC):** At least one component is not listed.
  - Korea inventory:** At least one component is not listed.
  - New Zealand Inventory of Chemicals (NZIoC):** At least one component is not listed.
  - Philippines inventory (PICCS):** At least one component is not listed.

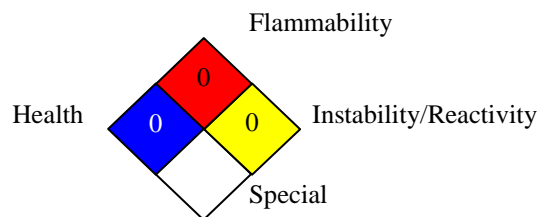
**16.Other information**

**Hazardous Material Information System (U.S.A.) :**

<b>Health</b>	1
<b>Flammability</b>	0
<b>Physical hazards</b>	0

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.**

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



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