Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Safe-T-Pet, Ice Melt Safer for Pets**

Synonyms • Urea

Product Code • 6600W

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Ice Control

1.3 Details of the supplier of the safety data sheet

Manufacturer • Windsor Salt Ltd..

755 Boulevard St. Jean, Suite 700
Point-Claire, Quebec
Canada
www.windsorsalt.com

Telephone (General) • 514-630-0900

1.4 Emergency telephone number

Manufacturer • 312-807-2000

Section 2: Hazards Identification

EU/EEC
According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Skin Irritation 2 - H315
Eye Irritation 2 - H319

DSD/DPD • Irritant (Xi)
R36/38

2.2 Label Elements

CLP

WARNING



Hazard statements • H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.
P280 - Wear protective gloves .
P280 - Wear eye/face protection , .

Response • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before reuse.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P321 - Specific treatment, see supplemental first aid information.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

DSD/DPD



Risk phrases • R36/38 - Irritating to eyes and skin.

Safety phrases • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD • According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Skin Irritation 2
Eye Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • Causes skin irritation
Causes serious eye irritation

Precautionary statements

Prevention • Wash thoroughly after handling.
Wear protective gloves.
Wear eye/face protection.

Response • If on skin: Wash with plenty of water.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
Specific treatment, see supplemental first aid information.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

OSHA HCS 2012 • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada
According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS • Other Toxic Effects - D2B

2.2 Label elements

WHMIS



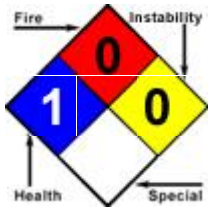
• Other Toxic Effects - D2B

2.3 Other hazards

WHMIS • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

NFPA



Section 3 - Composition/Information on Ingredients

3.1 Substances

• Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Urea	**CAS:**57-13-6 **EINECS:**200-315-5	97.5% TO 99.7%	Ingestion/Oral-Rat LD50 • 8471 mg/kg	**EU DSD/DPD:** Self Classified: Xi R38 **EU CLP:** Self Classified: Skin Irrit. 2, H315 **OSHA HCS 2012:** Skin Irrit. 2	NDA
Methylenediurea	NDA	0% TO 2.42%	NDA	**EU DSD/DPD:** Not Classified **EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified	NDA
Biuret	**CAS:**108-19-0 **EINECS:**203-559-0	0% TO 1.5%	NDA	**EU DSD/DPD:** Not Classified **EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin • In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation occurs: Get medical advice/attention.

Ingestion • Rinse mouth. If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

• Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • SMALL FIRES: Dry chemical, CO_2, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media • No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Some may burn but none ignite readily.

Hazardous Combustion Products • No data available

5.3 Advice for firefighters

• Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • Use only with adequate ventilation. Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures • As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stay upwind. Keep out of low areas. Keep unauthorized personnel away.

6.2 Environmental precautions

• Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk.
Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines		
	Result	**China**
Urea (57-13-6)	STELs	10 mg/m3 STEL
	TWAs	5 mg/m3 TWA

8.2 Exposure controls

Engineering Measures/Controls • Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory • Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face • Wear safety goggles.

Skin/Body • Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

Environmental Exposure Controls • Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

STEL = Short Term Exposure Limits are based on 15-minute exposures
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White solid, spherical or granular shape with slight ammonia odor.
Color	White	Odor	Slight ammonia.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	135 °C(275 °F) decomposes	Melting Point/Freezing Point	133 °C(271.4 °F)
Decomposition Temperature	Data lacking	pH	7.2 at 100 g/L
Specific Gravity/Relative Density	Data lacking	Density	750 kg/m³

Bulk Density	44 to 49 lb(s)/ft³	Water Solubility	1.193 g/L at 25ºC
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	80 hPa @ 20 °C(68 °F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking	Chemical Oxygen Demand	Data lacking

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Extreme heat.

10.5 Incompatible materials

- Avoid contact with strong oxidizers, acids or bases. Avoid contact with Nitrates. Reacts with Sodium or Calcium Hypochlorite to form explosive Nitrogen Trichloride. Avoid contact with hypochlorites.

10.6 Hazardous decomposition products

- Decomposes to Ammonia, Biuret, Nitrogen Oxides, Carbon Oxides. May react with hypochlorites to form the explosive nitrogen trichloride.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Urea (97.5% TO 99.7%)	57-13-6	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 8471 mg/kg; **Irritation:** Skin-Human • 20 % 24 Hour(s) • Moderate irritation; **Mutagen:** DNA damage • Human • Liver (Somatic cell) • 31.6 µmol/L 48 Hour(s); **Reproductive:** Intraplacental-Woman TDLo • 1400 mg/kg (16W preg); *Reproductive Effects:Effects on Fertility*:**Abortion**; **Tumorigen / Carcinogen:** Ingestion/Oral-Rat TDLo • 821 g/kg 1 Year(s)-Continuous; *Tumorigenic*:**Neoplastic by RTECS criteria**; *Blood*:**Tumors**; *Blood*:**Lymphoma, including Hodgkin's disease**

GHS Properties	Classification
Acute toxicity	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Skin corrosion/Irritation	**EU/CLP**•Skin Irritation 2 **OSHA HCS 2012**•Skin Irritation 2

Serious eye damage/Irritation	**EU/CLP**•Eye Irritation 2 **OSHA HCS 2012**•Eye Irritation 2
Skin sensitization	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Respiratory sensitization	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Aspiration Hazard	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Carcinogenicity	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Germ Cell Mutagenicity	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
Toxicity for Reproduction	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
STOT-SE	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking
STOT-RE	**EU/CLP**•Data lacking **OSHA HCS 2012**•Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)
- Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed)
- No data available

Skin

Acute (Immediate)
- Causes skin irritation.

Chronic (Delayed)
- No data available

Eye

Acute (Immediate)
- Causes serious eye irritation.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed)
- No data available

Key to abbreviations
LD = Lethal Dose
TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

• Material data lacking.

12.3 Bioaccumulative potential

• Material data lacking.

12.4 Mobility in Soil

• Material data lacking.

12.5 Results of PBT and vPvB assessment

• No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

• No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

State Right To Know				
Component	**CAS**	**MA**	**NJ**	**PA**
Biuret	108-19-0	No	No	No
Urea	57-13-6	No	No	No

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Biuret	108-19-0	Yes	No	Yes	Yes	No
Urea	57-13-6	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	**CAS**	**Japan ENCS**	**Korea KECL**	**TSCA**
Biuret	108-19-0	No	Yes	Yes
Urea	57-13-6	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Australia - High Volume Industrial Chemicals List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	

Australia - List of Designated Hazardous Substances - Classification

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Australia - Priority Existing Chemical Program

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Environment

Canada - CEPA - Priority Substances List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

•Biuret	108-19-0	Not Listed
•Urea	57-13-6	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date • 27/May/2021

Preparation Date • 23/February/2016

Disclaimer/Statement of Liability

- The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Key to abbreviations

NDA = No Data Available