

# **SAFETY DATA SHEET**

### **ESN® Polymer Coated Urea 44-0-0**

## Section 1. Identification

GHS product identifier	: ESN® Polymer Coated Urea 44-0-0	
Other means of identification	: Product code: 2353-14250; 3196-14250; 4886-14250; 5236-14250 Historic MSDS #: 14250	
Product type	: Granular solid.	

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

Identified uses	
Fertilizer.	
Uses advised against	Reason
Not applicable	Non-hazardous substance.

Supplier's details	Agrium North American Wholesale 13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada, T2J 7E8 Agrium U.S. Inc. Suite 1700, 4582 South Ulster St. Denver, Colorado, U.S.A., 80237
Emergency telephone number (with hours of operation)	Agrium North American 24 Hr Emergency Telephone Numbers: English: Transportation Emergencies: 1-800-792-8311 Medical Emergencies: 1-303-389-1653 French or Spanish:

Tranportation or Medical Emergencies: 1-303-389-1654

# Section 2. Hazards identification

OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	: Not classified.
GHS label elements	
Hazard pictograms	: Not Applicable.
	No Aplicable.
	Non applicable.
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
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## Section 2. Hazards identification

Hazards not otherwise classified

: None known.

### Section 3. Composition/information on ingredients

Substance/mixture

**CAS** number

: Multi-constituent substance

#### CAS number/other identifiers

: Not applicable.

Ingredient name	%	CAS number
Urea	>95	57-13-6
Castor oil, polymer with polymethylenepolyphenylene isocyanate	4	67700-69-0
Urea, reaction products with formaldehyde	<1	68611-64-3
Imidodicarbonic diamide (Biuret)	<1	108-19-0

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 necess	ary first aid measures
Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</li> </ul>
Inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur. 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.
Skin contact	: No known effect after skin contact. Rinse with water for a few minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
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 symptoms occur.

Most important symptoms/e	ffects, acute and delayed
Potential acute health effect	<u>ts</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	toms
Eye contact	: No specific data. May cause irritation due to mechanical action.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate med	ical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>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. 24 Hr Medical Emergency telephone number for professional support: English: 1-303-389-1653; French or Spanish: 1-303-389-1654</li> </ul>
Specific treatments	: No specific treatment. Treat symptomatically.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

#### See toxicological information (Section 11)

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# Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	: 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.
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.
Remark	: Non-flammable substance. Non-combustible.
Remark	: If mixed with chlorine or hypochlorites, it may form nitrogen trichloride which may explode spontaneously in air.

## Section 6. Accidental release measures

Personal precautions, protect	ctive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. 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 co	ontainment and cleaning up
Small spill	<ul> <li>Move containers from spill area. Recover the material and use it for the intended purpose.</li> <li>or</li> </ul>
	Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	: No additional information.

# Section 7. Handling and storage

Precautions for safe handling	1
Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Workers should wash hands and face before eating, drinking and smoking. Do not ingest. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a dry, cool and well-ventilated area. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.

# Section 8. Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

Ingredient name		Exposure limits
ESN Polymer Coated Urea	44-0-0	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m <sup>3</sup> ; Respirable fraction: 5 mg/m <sup>3</sup> .
Urea		AIHA WEEL (United States): Total dust TWA (8 hours): 10 mg/m <sup>3</sup>
Castor oil, polymer with po	lymethylenepolyphenylene isocyanate	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m <sup>3</sup> ; Respirable fraction: 5 mg/m <sup>3</sup> .
Urea, reaction products wit	h formaldehyde	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m <sup>3</sup> ; Respirable fraction: 5 mg/m <sup>3</sup> .
Biuret		OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m <sup>3</sup> ; Respirable fraction: 5 mg/m <sup>3</sup> .
Appropriate engineering controls	: Good general ventilation should be contaminants.	sufficient to control worker exposure to airborne
Environmental experies		
Environmental exposure controls	: Emissions from ventilation or work comply with the requirements of en	
controls	comply with the requirements of en	
-	comply with the requirements of en ures : Wash hands, forearms and face the	vironmental protection legislation. proughly after handling chemical products, before proy and at the end of the working period. Wash
controls	<ul> <li>comply with the requirements of en</li> <li><u>ures</u></li> <li>Wash hands, forearms and face the eating, smoking and using the lavat contaminated clothing before reusir</li> <li>Safety eyewear complying with an a assessment indicates this is necess gases or dusts. If contact is possib</li> </ul>	broughly after handling chemical products, before bory and at the end of the working period. Wash ng. approved standard should be used when a risk sary to avoid exposure to liquid splashes, mists,
controls ndividual protection meas Hygiene measures	<ul> <li>comply with the requirements of end</li> <li>ures</li> <li>Wash hands, forearms and face the eating, smoking and using the lavat contaminated clothing before reusing</li> <li>Safety eyewear complying with an a assessment indicates this is necessing gases or dusts. If contact is possib assessment indicates a higher degring the second s</li></ul>	vironmental protection legislation. broughly after handling chemical products, before bory and at the end of the working period. Wash ng. approved standard should be used when a risk sary to avoid exposure to liquid splashes, mists, le, the following protection should be worn, unless the
controls ndividual protection meas Hygiene measures Eye/face protection	<ul> <li>comply with the requirements of end</li> <li>ures</li> <li>Wash hands, forearms and face the eating, smoking and using the lavat contaminated clothing before reusing</li> <li>Safety eyewear complying with an a assessment indicates this is necessing gases or dusts. If contact is possib assessment indicates a higher degring the second s</li></ul>	vironmental protection legislation. broughly after handling chemical products, before bory and at the end of the working period. Wash ng. approved standard should be used when a risk sary to avoid exposure to liquid splashes, mists, le, the following protection should be worn, unless the
controls ndividual protection meas Hygiene measures Eye/face protection Skin protection	<ul> <li>comply with the requirements of end</li> <li>ures</li> <li>Wash hands, forearms and face the eating, smoking and using the lavat contaminated clothing before reusin</li> <li>Safety eyewear complying with an a assessment indicates this is necess gases or dusts. If contact is possible assessment indicates a higher degree Possible: sealed eyewear</li> </ul>	vironmental protection legislation. broughly after handling chemical products, before bory and at the end of the working period. Wash ng. approved standard should be used when a risk sary to avoid exposure to liquid splashes, mists, le, the following protection should be worn, unless the ree of protection: safety glasses with side-shields.
controls ndividual protection meas Hygiene measures Eye/face protection <u>Skin protection</u> Hand protection	<ul> <li>comply with the requirements of end</li> <li>ures</li> <li>Wash hands, forearms and face the eating, smoking and using the lavat contaminated clothing before reusing</li> <li>Safety eyewear complying with an a assessment indicates this is necess gases or dusts. If contact is possible assessment indicates a higher degring Possible: sealed eyewear</li> <li>No special protection is required.</li> </ul>	vironmental protection legislation. broughly after handling chemical products, before bory and at the end of the working period. Wash ng. approved standard should be used when a risk sary to avoid exposure to liquid splashes, mists, le, the following protection should be worn, unless the ree of protection: safety glasses with side-shields.

# Section 9. Physical and chemical properties

Appearance	
Physical state	: Solid. Pellets.
Color	: Green or blue.
Odor	: Odorless.
Odor threshold	: Not available.
рН	: Not available.
Melting point	: 133°C (271.4°F)
Boiling point	: Not available.
Flash point	: [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Non-flammable substance. Non-combustible.
Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: 0.011 kPa (0.08 mm Hg) [room temperature]
Vapor density	: Not applicable.
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## Section 9. Physical and chemical properties

Relative density	: 0.78
Solubility	: Very slightly soluble in the following materials: cold water and hot water.
Partition coefficient: n- octanol/water	: -1.56
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Viscosity	: Not applicable.

# Section 10. Stability and reactivity

Reactivity	: Incompatible with halogens, hydrogen peroxide, chlorinated hydrocarbons, fluorine, nitric acid, oxidizing agents and sulfuric acid.
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	: 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.

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Urea	LD50 Oral LD50 Oral	Mouse - Male Rat - Male	11 g/kg 8471 mg/kg	-	
Conclusion/Summary : Very low toxicity to humans or animals.					

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Urea	Skin - Non-irritating to the skin.	Human	0	-	-
Conclusion/Summary		•		•	•
Skin	: Non-irritating to the skin.				
Eyes	: May cause irritation due	to mechanical a	action.		
Respiratory	: Non-irritating to the resp	iratory system.			
Sensitization					
Conclusion/Summary					
Skin	: Non-sensitizer to skin.				
Respiratory	: Non-sensitizer to lungs.				
<u>Mutagenicity</u>					
Product/ingredient name	Test	Experiment		Resu	lt
Urea	OECD 471 Bacterial Reverse Mutation Test	Experiment: In	vitro	Nega	tive
		Subject: Bacte Cell: Somatic Metabolic activ			

without

Conclusion/Summary : No mutagenic effect. Carcinogenicity

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# Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Urea	Negative - Oral - TC	Rat - Male, Female	2250 mg/kg Continuous	-
Conclusion/Summary	: No known significant eff	ects or critical hazards.		
Reproductive toxicity				
Conclusion/Summary	: No known significant eff	ects or critical hazards.		
Feratogenicity				
Conclusion/Summary	: No known significant eff	ects or critical hazards.		
Specific target organ toxic	tity (single exposure)			
Not available.				
Specific target organ toxic	tity (repeated exposure)			
Not available.				
Achieve beyond				
Aspiration hazard			•	
Name		Res	sult	
Not applicable				
formation on the likely	: Routes of entry anticipat			
outes of exposure	Routes of entry not antic	ipated:Dermal.		
otential acute health effec				
Eye contact	: No known significant effe			
nhalation	: No known significant effe			
Skin contact	: No known significant effe			
ngestion	: No known significant effe	ects or critical hazards.		
must a second at a discussion of the second	and a standard and so that a		_	
	vsical, chemical and toxicol			
Eye contact	: No specific data. May c			
nhalation	<ul><li>No specific data.</li><li>No specific data.</li></ul>			
Skin contact	: No specific data.			
ngestion	i no specific data.			
elaved and immediate effe	ects and also chronic effects	from short and long	term exposure	
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
_ong term exposure				
Potential immediate	: Not available.			
effects				
Potential delayed effects	: Not available.			
Potential chronic health ef	fects			
Not available.				
Conclusion/Summary	: No known significant effe	ects or critical hazards.		
General	: No known significant eff			
	: No known significant effo			
Carcinogenicity	-			
Carcinogenicity Mutagenicity	No known significant effective			
Mutagenicity	No known significant effe			
	<ul> <li>No known significant effective</li> <li>No known significant effective</li> <li>No known significant effective</li> </ul>	ects or critical hazards.		

<u>Acute</u>	toxicity	<u>estimates</u>

### Section 11. Toxicological information

Not available.

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Urea	Acute EC50 3910000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1000 mg/l Marine water	Crustaceans - Chaetogammarus marinus - Young	48 hours
	Acute LC50 22.5 mg/l Fresh water	Fish - Oreochromis mossambicus - Young	96 hours
	Chronic NOEC 2 g/L Fresh water	Fish - Heteropneustes fossilis	30 days

**Conclusion/Summary** : Practically non-toxic to aquatic organisms.

#### Persistence and degradability

Conclusion/Summary	: Readily biodegradable		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Urea	-	-	Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Urea	<-1.73	-	low

#### **Mobility in soil**

Soil/water partition	: 0.037
coefficient (Koc)	

**Other adverse effects** 

: No known significant effects or critical hazards.

## Section 13. Disposal considerations

: The generation of waste should be avoided or minimized wherever possible. Avoid disposal. Attempt to use product completely in accordance with intended use. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled.

### Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
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**Disposal methods** 

ESN® Polymer Coated Urea 44-0-0 Section 14. Transport information						
						Additional information
Special precau	tions for use	upright and		hat persons transp		containers that are ct know what to do in the

Transport in bulk according : to Annex II of MARPOL 73/78 and the IBC Code

Proper shipping name

: Not a pollutant.

## Section 15. Regulatory information

U.S.	<b>Federal</b>	regulations	

: TSCA 4(a) final test rules: biuret; Urea, reaction products with formaldehyde TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 8(b) inventory: This material is listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I Substances	1	Not listed
Clean Air Act Section 602 Class II Substances	-	Not listed
DEA List I Chemicals (Precursor Chemicals)	1	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
SARA 304 RQ	:	Not applicable.
SARA 311/312		

SARA 311/312 Classification

: Not applicable.

Composition/information on ingredients

Name	%	hazard	Sudden release of pressure		(acute) health	Delayed (chronic) health hazard
Urea	>95	No.	No.	No.	No.	No.

State regulations	
Massachusetts	: This material is not listed.
New York	: This material is not listed.
New Jersey	: This material is not listed.
Pennsylvania	: This material is not listed.
California Prop. 65	
Not listed.	
International regulations	
International lists	
National inventory	
Australia	: All components are listed or exempted.
Canada	: This material is listed or exempted.
China	: All components are listed or exempted.
Europe	: This material is listed or exempted.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.

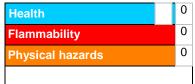
### Section 15. Regulatory information

New Zealand		
Philippines		
<b>Republic of Korea</b>		
Taiwan		

- : All components are listed or exempted.
- : All components are listed or exempted.
- : All components are listed or exempted.
- Taiwan
- : Not determined.

### Section 16. Other information

#### Hazardous Material Information System (U.S.A.)



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 SDSs 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).

The customer is responsible for determining the PPE code for this material.

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



Copyright © 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. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

<u>History</u>	
Date of issue/Date of revision	: 5/13/2015.
Date of previous issue	: 5/13/2015.
Version	: 1
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	<ul> <li>Transportation of Dangerous Goods Act and Clear Language Regulations, current revision, Transport Canada.</li> <li>Hazardous Products Act "Ingredient Disclosure List", Health Canada</li> <li>Domestic Substances List, Environment Canada.</li> <li>29 CFR Part 1910</li> <li>-33 CFR Parts 151, 153, 154, 156</li> <li>-40 CFR Parts 1-799</li> <li>-46 CFR Part 153</li> <li>-49 CFR Parts 1-199</li> <li>-American Conference of Governmental Industrial Hygienists, Threshold Limit Values for Chemical Substances, latest edition.</li> <li>-NFPA 704, National Fire Codes Online, National Fire Protection Association, current edition at time of MSDS preparation.</li> <li>-Corrosion Data Survey, Sixth Edition, 1985, National Association of Corrosion Engineers</li> </ul>
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### Section 16. Other information

-ERG 2012 Emergency Response Guidebook

-HSDB: Hazardous Substances Data Bank. National Library of Medicine, Bethesda, Maryland

-IRIS: Integrated Risk Information System. U.S. Environmental Protection Agency, Washington, D.C.

-NIOSH: Pocket Guide to Chemical Hazards. National Institute for Occupational Safety and Health, Cincinnati, Ohio ;

- ATSDR - Agency for Toxic Substances and Disease Registry - U.S. Dept. of Health and Human Services, Atlanta, Georgia

- National Toxicology Program (NTP) Division of the National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, North Carolina.

- RTECS®: Registry of Toxic Effects of Chemical Substances. National Institute for Occupational Safety and Health, Cincinnati, Ohio

-The Fertilizer Institute, Toxicity Testing Results, March 2003

- ECHA European Chemicals Agency Classification and Labelling Database

The Fertilizer Institute, Product Toxicology Testing Program Results, TFI, Washington , D.C., 2003

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

The information and recommendations contained in this Safety Data Sheet ("SDS") relate only to the specific material referred to herein (the "Material") and do not relate to the use of such Material in combination with any other material or process. The information and recommendations contained herein are believed to be current and correct as of the date of this SDS. HOWEVER, THE INFORMATION AND RECOMMENDATIONS ARE PRESENTED WITHOUT WARRANTY, REPRESENTATION OR LICENSE OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THEIR ACCURACY, CORRECTNESS OR COMPLETENESS, AND THE SELLER, SUPPLIER AND MANUFACTURER OF THE MATERIAL AND THEIR RESPECTIVE AFFILIATES (COLLECTIVELY, THE "SUPPLIER") DISCLAIM ALL LIABILITY FOR RELIANCE ON SUCH INFORMATION AND RECOMMENDATIONS. This SDS is not a guarantee of safety. A buyer or user of the Material (a "Recipient") is responsible for ensuring that it has all current information necessary to safely use the Material for its specific purpose. FURTHERMORE, THE RECIPIENT ASSUMES ALL RISK IN CONNECTION WITH THE USE OF THE MATERIAL. THE RECIPIENT ASSUMES ALL RESPONSIBILITY FOR ENSURING THE MATERIAL IS USED IN A SAFE MANNER IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL, HEALTH, SAFETY AND SECURITY LAWS, POLICIES AND GUIDELINES. THE SUPPLIER DOES NOT WARRANT THE MERCHANTABILITY OF THE MATERIAL OR THE FITNESS OF THE MATERIAL FOR ANY PARTICULAR USE AND ASSUMES NO RESPONSIBILITY FOR INJURY OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY OR RELATED TO THE USE OF THE MATERIAL.