

SAFETY DATA SHEET

according to Hazardous Products Regulations (HPR)

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AccuClean® Advanced

Revision 2 Revision date 2022-10-12

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	illication of the substance	MINALUI E ANU OI LIIE I	combany undertaking

1.1. Product identifier

Product name	AccuClean® Advanced	
Product code	9960	

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;	
Description	Intended for use in routine analytics, including quality control and monitoring.	

1.3. Details of the supplier of the safety data sheet

1.3. Details of the supplier of the safety data sheet				
Company	Neogen Corporation			
Address	620 Lesher Place			
Lansing MI 48912				
	USA			
Web	www.neogen.com			
Telephone	517-372-9200/800-234-5333			
Email	SDS@neogen.com			

1.4. Emergency telephone number

24 hours:

Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)

Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Corr. 1B: H314;
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2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary Statement:

 ${\sf P260-Do\ not\ breathe\ dust/fume/gas/mist/vapours/spray}.$

Prevention

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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Z.Z. Laber elements		
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P310 - Immediately call a POISON CENTER or doctor/physician. P363 - Wash contaminated clothing before reuse.	
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations	
2.3. Other hazards		
Other hazards Contains material(s) which may be harmful if swallowed.		

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Phosphoric acid% (Phosphoric acid)	015-011-00-6	7664-38-2	231-633-2		1 - <10%	Skin Corr. 1B: H314;
Ethanol	603-002-00-5	64-17-5	200-578-6		1 - <5%	Flam. Liq. 2: H225;

Description

Concentrations listed are not product specifications.

Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Immediate medical attention is required. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration.
Eye contact	Remove the affected person from the source of contamination immediately. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Contact lenses should be removed. Immediate medical attention is required.
Skin contact	Remove the affected person from the source of contamination immediately. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Immediate medical attention is required.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting unless told to do so by the poison control center or doctor. Probable mucosal damage may contraindicate the use of gastric lavage. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Corrosive to the respiratory tract. Causes burns. In severe cases, may cause loss of
	consciousness. May cause irritation to mucous membranes. May cause dizziness and headache.

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4.2. Most important symptoms and effects, both acute and delayed					
Eye contact	Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea. Danger of very serious irreversible effects.				
Skin contact	Corrosive to living tissue. Causes skin burns. Danger of very serious irreversible effects.				
Ingestion	Corrosive to living tissue. Causes severe burns. Danger of very serious irreversible effects. Ingestion may cause nausea and vomiting.				
4.3. Indication of any immediate	medical attention and special treatment needed				
	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Immediate medical attention is required. If medical advice is needed, have product container or label at hand.				
SECTION 5: Firefighting mea	asures				
5.1. Extinguishing media					
	Use extinguishing media appropriate to the surrounding fire conditions.				
5.2. Special hazards arising from	n the substance or mixture				
	Corrosive. Do not breathe vapour or spray mist.				
5.3. Advice for firefighters					
	In case of fire and/or explosion do not breathe fumes. Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.				
SECTION 6: Accidental release measures					
6.1. Personal precautions, prote	6.1. Personal precautions, protective equipment and emergency procedures				
	In the case of cleanup following a spill, wear protective clothing and appropriate equipment to prevent exposure of skin and eyes and to prevent ingestion or inhalation. Ensure adequate ventilation of the working area. Keep personnel away from spill. Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Keep away from incompatible materials.				
6.2. Environmental precautions					
	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.				
6.3. Methods and material for co	ntainment and cleaning up				
	Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.				
6.4. Reference to other sections					
	See Section(s) 2, 8, and 13 for further information.				
SECTION 7: Handling and st	SECTION 7: Handling and storage				

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Do not breathe vapour or spray mist. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Causes eye damage and skin damage. Wear chemical protective clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Contaminated work clothing should not be allowed out of

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7.1. Precautions for safe handling

the workplace. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not eat, drink or smoke in areas where this product is used or stored.

Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 20 °C and 25 °C. Do NOT allow to freeze. Store in original container in a cool, dry place inaccessible to children and pets. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Keep containers closed and away from other chemicals. Do not store with incompatible substances or mixtures. Follow label instructions.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Ethanol	8-hour OEL ppm : 1000	8-hour OEL mg/m3 : 1880
	8-hour OEL f/cc:	15-min or ceiling (c) OEL ppm:
	15-min or ceiling (c) OEL mg/m3:	Substance interaction 1,2,3: 3
Ethanol (Ethyl alcohol)	8-hour OEL ppm: 1000	8-hour OEL mg/m3: 1880
	8-hour OEL f/cc:	15-min or ceiling (c) OEL ppm:
	15-min or ceiling (c) OEL mg/m3:	Substance interaction 1,2,3: 3
Phosphoric acid% (Phosphoric acid)	8-hour OEL ppm:	8-hour OEL mg/m3: 1
,	8-hour OEL f/cc:	15-min or ceiling (c) OEL ppm:
	15-min or ceiling (c) OEL mg/m3: 3	Substance interaction 1,2,3: 3

8.2. Exposure controls







8.2.1. Appropriate engineering controls

8.2.2. Individual protection measures

Eye / face protection

Skin protection -Handprotection

Skin protection - Other

Ensure adequate ventilation of the working area. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

Wear chemical protective clothing. Do not breathe dust or vapour.

Wear: Chemical safety goggles, Face shield.

Wear: Chemical resistant gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.

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8.2. Exposure controls

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Provide chemical shower. Provide eye wash station. Protect clothing from contact with the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of food or feedstuffs.
Further information	
	Refer to product label and/or package insert for additional information. Follow label instructions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Green/Grey
Odour	Odourless/Slight
Odour threshold	No data available
рН	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	61 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	1
Partition coefficient	No data available
Autoignition temperature	≈ 425 °C
Viscosity	No data available
Explosive	Not applicable.
Oxidising	Not applicable.
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic	
compounds)	

SECTION 10: Stability and reactivity

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y		
	Stable under normal conditions.	
10.2. Chemical stability		
	Stable under normal conditions.	
10.3. Possibility of hazardous reactions		

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10.3. Possibility of hazardous re	actions
	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
10.4. Conditions to avoid	
	Keep away from extreme temperatures. Keep away from incompatible materials.
10.5. Incompatible materials	
	Keep away from soft metals.
10.6. Hazardous decomposition	products
	Carbon oxides.
SECTION 11: Toxicological	information
11.1. Information on toxicologica	
Acute toxicity	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
Skin corrosion/irritation	Corrosive to living tissue. Causes burns. Possible risk of irreversible effects.
Serious eye damage/irritation	Causes severe burns. Causes severe inflammation and may damage the cornea. Possible risk of irreversible effects.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause oral mucosal irritation.
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data.
Aspiration hazard	No Significant Hazard.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.
11.1.2. Mixtures	
	See Section(s) 3 for further information.
11.1.3. Hazard Information	
	See Section(s) 2 and 3 for further information.
11.1.4. Toxicological Information	ו
	No data available
11.1.5. Hazard Class	
	See Section(s) 2 and 4 for further information.
11.1.6. Classification Criteria	

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11.1.6. Classification Criteria		
	Based on the Globally Harmonised System (GHS) considerations for the See Section 15 for regulatory citations.	e classification of mixture
11.1.7. Information on likely rout	es of exposure	
	Eye contact. Skin contact. Inhalation. Ingestion.	
1.1.8. Symptoms related to the	physical, chemical and toxicological characteristics	
	See Section(s) 4.2 for further information.	
1.1.9. Delayed and immediate	effects as well as chronic effects from short and long-term exposure	
	See Section(s) 4.2 for further information.	
1.1.10. Interactive effects		
	No data available.	
1.1.11. Absence of specific dat	a	
	<1% of this mixture consists of ingredients of unknown acute toxicity.	
1.1.12. Mixture versus substan	ce information	
	See Section(s) 3 for further information.	
1.1.13. Other information		
	Refer to product label and/or package insert for additional information.	
SECTION 12: Ecological info	ormation	
2.1. Toxicity		
	No data available	
2.2. Persistence and degradab	ility	
	No data is available on this product.	
2.3. Bioaccumulative potential		
	No data is available on this product.	
Partition coefficient		
	AccuClean® Advanced No data available	Ethanol -0.349 log P
2.4. Mobility in soil		
21 11 11100 may 111 00 m	No data is available on this product.	
2.5. Results of PBT and vPvB	'	
	No data is available on this product.	
2.6. Other adverse effects	The data is arangue on time product.	
	Contains substance(s) which are hazardous to the environment. Specif	ic test data for the
	substance or mixture is not available.	
SECTION 13: Disposal cons	iderations	
3.1. Waste treatment methods		
	Dispose of contents/container to an approved hazardous/special waste	e disposal facility in
	accordance with local and national regulations. Do not discharge efflue	

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13.1. Waste treatment methods	
	sewer systems. Follow label instructions.
Disposal methods	
	Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not empty into drains; dispose of this material and its container in a safe way. Do not flush into surface water. Do not let product contaminate subsoil.
Disposal of packaging	
	Nonrefillable container. Do not reuse or refill this container. If empty: Do not reuse this container. Place in trash or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Can be recycled if in compliance with local and national regulations.
SECTION 14: Transport info	ormation
Hazard pictograms	
	8
14.1. UN number	
	UN1805
14.2. UN proper shipping name	
	PHOSPHORIC ACID, SOLUTION
14.3. Transport hazard class(es	s)
ADR/RID	8
Subsidiary risk IMDG	- - 8
Subsidiary risk	1 -
IATA	8
Subsidiary risk	l -
14.4. Packing group	
Packing group	
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	1
Hazard ID	80
Tunnel Category	(E)
IMDG	
EmS Code	F-A S-B

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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction	852
(Passenger)	
Maximum quantity	5 L

SECTION 15: Regulatory information

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

Regulations

WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR).

--International--.

Basel Convention (Hazardous Waste): H8.

Chemical Weapons Convention (OPCW): This material contains no reportable components.

Kyoto Protocol Greenhouse Gases: This material contains no reportable components.

Mercosur Agreement: Applicable.

Montreal Protocol: This material contains no reportable components.

The Rotterdam Convention: This material contains no reportable components. The Stockholm Convention: This material contains no reportable components.

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [2790, Phosphoric acid, CAS No. 7664-38-2], [2568, Ethanol (ethyl alcohol), CAS No. 64-17-5].

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision,

Distribution, and Control of Hazardous Substances: Usable hazardous and toxic material,

[Phosphoric acid, CAS No. 7664-38-2], [Ethanol (ethyl alcohol), CAS No. 64-17-5].

Air Pollution Control Law (Japan): This material contains no reportable components.

Chemical Substances Control Law (Japan): This material contains no reportable components. Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required,

[Phosphoric acid, CAS No. 7664-38-2], [Ethanol (ethyl alcohol), CAS No. 64-17-5].

Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.

Soil Contamination Countermeasures Act (Japan): This material contains no reportable components.

Water Pollution Control Law (Japan): This material contains no reportable components. Chemical Substances Subject to Permission (Korea): This material contains no reportable components.

Restricted or Prohibited Substances (Korea): This material contains no reportable components. Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): Schedule I exposure standard, [Phosphoric acid, CAS No. 7664-38-2], [Ethanol (ethyl alcohol), CAS No. 64-17-5].

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.

Hazardous Substances Act (Thailand): This material contains no reportable components. Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, [Phosphoric acid, CAS No. 7664-38-2].

--Australia and New Zealand--.

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

Australian Dangerous Goods Code: Class 8.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This material contains no reportable components.

Annex XVII for REACH: This material contains no reportable components.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America --.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: Phosphoric acid, CAS No. 7664-38-2. New Jersey Worker and Community Right to Know Act: Phosphoric acid, CAS No. 7664-38-2,

Ethanol (ethyl alcohol), CAS No. 64-17-5.

Pennsylvania Right to Know Law: Phosphoric acid, CAS No. 7664-38-2, Ethanol (ethyl alcohol), CAS No. 64-17-5.

Rhode Island Right-to-Know General Law: Phosphoric acid, CAS No. 7664-38-2, Ethanol (ethyl alcohol), CAS No. 64-17-5.

California Proposition 65: This material contains no reportable components.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

- 1 Description.
- 1 Product Use.
- 1 Manufactured By:.
- 2 Other hazards.
- 2 2.1.2. Classification GHS.
- 2 Hazard pictograms.
- 2 Signal Word.
- 2 Precautionary Statement: Response.
- 2 Precautionary Statement: Storage.
- 2 Precautionary Statement: Disposal.
- 4 Skin contact.
- 4 Ingestion.
- 5 5.2. Special hazards arising from the substance or mixture.
- 7 7.2. Conditions for safe storage, including any incompatibilities.
- 9 9.1. Information on basic physical and chemical properties (PH).
- 9 9.2. Other information (VOC (Volatile organic compounds)).
- 9 9.2. Other information (Conductivity).
- 9 9.2. Other information (Gas group).
- 9 9.2. Other information (Surface tension).
- 9 9.2. Other information (Benzene Content).
- 9 9.2. Other information (Product Subcategory).
- 9 9.2. Other information (Lead content).
- 10 10.5. Incompatible materials.
- 11 11.1.4. Toxicological Information.
- 11 Skin corrosion/irritation.
- 11 Carcinogenicity.
- 14 ADR/RID.

Other information	
	14 - IMDG.
	14 - IATA.
	15
	16 - Maximum content of VOC.
Acronyms	ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by
	Rail (RID) and by Road (ADR).
	CAS No.: Chemical Abstracts Service.
	CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013
	(Malaysia).
	FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.
	GHS: Globally Harmonized System.
	HCS 2012: U.S. Hazard Communication Standard (2012 revision).
	IATA: International Air Transport Association.
	ICAO: International Civil Aviation Organisation.
	IMDG: International Maritime Dangerous Goods.
	LD: Lethal dose.
	OEL: Occupational exposure limit.
	OSHA: U.S. Occupational Safety and Health Administration.
	PEL: Permissible Exposure Limit.
	REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.
	STOT: Specific Target Organ Toxicity.
	SVHC: Substance of very high concern.
	US DOT: United States Department of Transportation.
	VOC: Volatile Organic Compound.
	WEL: Workplace Exposure Limit.
Text of Hazard Statements in	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Section 3	Skin Irrit. 2: H315 - Causes skin irritation.
	Eye Irrit. 2: H319 - Causes serious eye irritation.
	Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Maximum content of VOC	4.75 %.
Further information	
	DISCLAIMER: The information and recommendations set forth herein ("Information") are presented
	in good faith and believed to be correct as of the date issued. No representation is made regarding
	the completeness or accuracy of the Information. Further, because of the many factors that affect
	the use of this product, the Information is supplied upon the condition that the person(s) receiving it
	will make their own determination regarding its suitability for their own unique purpose(s), prior to
	use.
	Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS