

SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

Page 1/11

AccuClean® Advanced

Revision 2 Revision date 2022-10-12

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		
Company name	Neogen Corporation	
Address	620 Lesher Place	
	Lansing MI 48912	
	USA	
Web	www.neogen.com	
Telephone number	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

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

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

Precautionary Statement:

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.

Revision 2 Revision date 2022-10-12

2.2. Label elements

Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep 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/doctor/. 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.
Eye contact	Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea. Danger of very serious irreversible effects.

Revision 2
Revision date 2022-10-12

4.2. Most important symptoms and effects, both acute and delayed			
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 relea	ase measures		
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 containment 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 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 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.

Revision 2 Revision date 2022-10-12

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	ACGIH TLV TWA: 1000 ppm	ACGIH TLV STEL: -
	Notations: A4	OSHA PEL 8hr TWA ppm: 1000
	OSHA PEL 8hr TWA mg m3: 1900	Skin Designation: -
Phosphoric acid% (Phosphoric acid)	ACGIH TLV TWA: 1 mg/m ³	ACGIH TLV STEL: 3 mg/m³
·	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 1	Skin Designation: -

8.2. Exposure controls







8.2.1. Appropriate engineering

controls

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

8.2.2. Individual protection measures

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

Eye / face protection Skin protection -Handprotection 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.

Skin protection - Other

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.

Respiratory protection Occupational exposure controls

In case of insufficient ventilation, wear suitable respiratory equipment.

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.

Revision 2 Revision date 2022-10-12

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
• •	Green/Grey
	,
	Odourless/Slight
Odour threshold	No data available
рН	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	61 °C
Evaporation rate	No data available
Flammability (solid, gas)	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 properties	Not applicable.
Oxidising properties	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

10.1. Reactivit

	Stable under normal conditions.
10.2. Chemical stability	
	Stable under normal conditions.
10.3. Possibility of hazardous re	- pactions
	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

Revision 2
Revision date 2022-10-12

10.6. Hazardous decomposition	products
	Carbon oxides.
SECTION 11: Toxicological	information
11.1. Information on toxicologica	al effects
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.
	US State Regulations:
	New Jersey Right-to-Know Hazardous Substances List:
	This material contains no listed components.
	Pennsylvania Right-to-Know Hazardous Substance List:
	This material contains no listed components.
	Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
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 Repeated or prolonged exposure

No Significant Hazard.

No data available

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	

See Section(s) 2 and 4 for further information.

11.1.6. Classification Criteria

11.1.5. Hazard Class

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

Revision 2
Revision date 2022-10-12

		Revision date 2022-10-1
11.1.7. Information on likely rout	es of exposure	
	Eye contact. Skin contact. Inhalation. Ingestion.	
11.1.8. Symptoms related to the	physical, chemical and toxicological characteristics	
	See Section(s) 4.2 for further information.	
11.1.9. Delayed and immediate	effects as well as chronic effects from short and long-term exposure	
	See Section(s) 4.2 for further information.	
11.1.10. Interactive effects		
	No data available.	
11.1.11. Absence of specific dat	a	
	<1% of this mixture consists of ingredients of unknown acute toxicity.	
11.1.12. Mixture versus substan	<u> </u>	
	See Section(s) 3 for further information.	
11.1.13. Other information		
	Refer to product label and/or package insert for additional information.	
SECTION 12: Ecological infe		
SECTION 12: Ecological info	omation	
12.1. Toxicity		
	No data available	
12.2. Persistence and degradab		
	No data is available on this product.	
12.3. Bioaccumulative potential		
	F.,	
	No data is available on this product.	
Partition coefficient		
	AccuClean® Advanced No data available	Ethanol -0.349 log P
12.4. Mobility in soil		
	No data is available on this product.	
12.5. Results of PBT and vPvB		
in the same of the	No data is available on this product.	
12.6. Other adverse effects	, in the same of the product	
12.01 04101 4410100 011000	Contains substance(s) which are hazardous to the environment. Specifi	ic test data for the
	substance or mixture is not available.	lo toot data for the
SECTION 13: Disposal cons	iderations	
13.1. 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 effluer	
	sewer systems. Follow label instructions.	
Disposal methods		
	Dispose of contents/container to an approved hazardous/special waste	
	accordance with local and national regulations. Do not contaminate wat	er by cleaning of

Revision 2
Revision date 2022-10-12

Print date 2022-10-12

	Revision date 2022-10-12
Disposal methods	
	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	rmation
Hazard pictograms	
14.1. UN number	
	UN1805
14.2. UN proper shipping name	
	PHOSPHORIC ACID, SOLUTION
14.3. Transport hazard class(es)
ADR/RID	8
Subsidiary risk]-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	<u> </u> -
14.4. Packing group	Τ
Packing group	<u> </u>
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	T
Hazard ID	80
Tunnel Category	(E)
IMDG	T
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852

Revision 2 Revision date 2022-10-12

IATA

Maximum quantity 5 L

SECTION 15: Regulatory information

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

Regulations

Chemical

Inventories/Right-to-Know Lists:

According to DENR Administrative order N°2015-09 and GHS.

--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--.

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.

Revision 2 Revision date 2022-10-12

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

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.
- 14 IMDG.
- 14 IATA.
- 15 Chemical Inventories/Right-to-Know Lists:.
- 16 Maximum content of VOC.

Acronyms

ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).

Revision 2 Revision date 2022-10-12

Other information

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 Section 3

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

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.

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