

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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AccuClean® Advanced

Revision Revision date 2019-08-22

1.1. Product identifier

Product name AccuClean® Advanced 9960 Product code

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals; **Description** Intended for laboratory use only.

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. 1A: H314;

2.2. Label elements

Hazard pictograms



Signal Word

Prevention

Danger

Hazard Statement

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

Precautionary Statement:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Precautionary Statement: Response

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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2.2. Label elements

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.

2.3. Other hazards

Other hazards None known.

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			Skin Corr. 1B: H314;
Ethanol	603-002-00-5	64-17-5	200-578-6			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.
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

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4.3. Indication of any immediate medical attention and special treatment needed 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 measures 5.1. Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions. 5.2. Special hazards arising from the substance or mixture Corrosive. Do not breathe vapor or spray mist. Fire will produce dense black smoke. 5.3. Advice for firefighters Do not breathe vapor or spray mist. Wear: Self-contained breathing apparatus, Protective equipment. In case of fire and/or explosion do not breathe fumes. SECTION 6: Accidental release 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 vapor 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.

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.

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.

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7.2. Conditions for safe storage, including	ına aı	nv incom	oatibilities
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Maximum storage time: 6 or 12 months. Follow label instructions.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:
Phosphoric acid% (Phosphoric acid)	ACGIH TLV TWA: 1 mg/m³	ACGIH TLV STEL: 3 mg/m³
,	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 1	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls







Appropriate	engineering
controls	

Individual protection measures

Eye / face protection

Skin protection - Hand protection

Skin protection - Other

Respiratory protection Occupational exposure

controls

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 vapor.

Wear: Approved 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.

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. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of food or feedstuffs

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State Liquid Color Green/Grey Odor Odorless/Slight Odor threshold No data available pΗ 0.7 Melting point No data available Freezing Point No data available **Boiling point** No data available 61 °C Flash point Evaporation rate No data available Flammability limits Not applicable. Vapor pressure No data available Vapor density No data available Relative density Partition coefficient No data available Autoignition temperature ≈ 425 °C Viscosity No data available **Explosive properties** Not applicable.

9.2. Other information

Benzene Content
Lead content
VOC (Volatile organic compounds)

Not applicable.

47.5 g/l

SECTION 10: Stability and reactivity

Oxidizing properties

Solubility

Not applicable.

Soluble in water

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met. However, this product does contain

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11.1. Information on toxicologica	al effects
_	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 sensitization	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. 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.
11.1.4. Toxicological information	1
Ethanol	Oral Rat LD50: 10470 mg/kg Oral Mouse LD50: 3450 mg/kg
	Dermal Rabbit LD50: 15800 mg/kg Inhalation Rat LC50/4 h: 30000 mg/kg
Phosphoric acid%	Oral Rat LD50: 1530 mg/kg Dermal Rabbit LD50: 2740 mg/kg
	Inhalation Rat LC50/4 h: 212.5 mg/kg
SECTION 12: Ecological info	ormation
12.1. Toxicity	
	No data available
12.2. Persistence and degradab	ility
	No data is available on this product.
12.3. Bioaccumulative potential	·
	No data is available on this product.
Partition coefficient	
	AccuClean® Advanced No data available Ethanol -0.349 log P
40.4.14.1314.1.31	
12.4. Mobility in soil	
	No data is available on this product.
12.5. Results of PBT and vPvB	
	No data is available on this product.
12.6. Other adverse effects	
	Caution - substance not yet fully tested.

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SECTION 13: Disposal considerations 13.1. Waste treatment methods Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not discharge effluent containing this product to 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 information

Hazard pictograms



14.1. UN number

UN3264	
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14.2. UN proper shipping name

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid mixture)

14.3. Transport hazard class(es)

Ī	DOT	8	
	Subsidiary risk	-	
	IMDG	8	
	Subsidiary risk	-	
	IATA	8	
	Subsidiary risk	-	
•	14.4 Packing group		

14.4. Packing group

Packing group	
AAF Fordermontal bounds	

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No No

DOI			
Hazard ID	88		
Tunnel Category	(E)		

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F-A S-B		
IATA		
854		
2.5 L		
850		
0.5 L		

SECTION 15: Regulatory information

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

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Chemical Inventories/Right-to-Know Lists: International:.

Basel Convention (Hazardous Waste): H8, H3.

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

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

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

Mercosur Agreement: Included.

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: This material contains no reportable components., No. 2790, Phosphoric acid.

Chemical Substances Control Law: This material contains no reportable components.

Industrial Safety and Health Act, Dangerous Substances: Ethanol.

Poisonous and Deleterious Substances Act: This material contains no reportable components. Chemical Substances Subject to Permission: This material contains no reportable components.

Restricted or Prohibited Substances: This material contains no reportable components.

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

Toxic and Concerned Chemical Substances Control Act (TCCSCA): Phosphoric acid.

Australia and New Zealand:.

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):.

Authorization List (Annex XIV of REACH): All ingredients listed or exempt. 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.

California Prop 65: This material contains no reportable components.

Massachusetts Right-to-Know Hazardous Substance List: Phosphoric acid.

New Jersey Worker and Community Right to Know Act: Ethyl alcohol, Phosphoric acid.

Pennsylvania Right to Know Law: Ethanol, Phosphoric acid.

Rhode Island Right-to-Know General Law: Ethyl alcohol, Phosphoric acid.

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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Phosphoric acid% (Phosphoric acid)	Υ	Υ	N	N	N	N	Υ	N	N
Ethanol	Υ	Υ	N	N	N	N	N	N	N

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 - Precautionary Statement: Response.
	2 - Precautionary Statement: Storage.
	7 - 7.2. Conditions for safe storage, including any incompatibilities.
	9 - 9.1. Information on basic physical and chemical properties (Relative density).
	9 - 9.1. Information on basic physical and chemical properties (Odor).
	9 - 9.1. Information on basic physical and chemical properties (Boiling point).
	9 - 9.1. Information on basic physical and chemical properties (Melting point).
	9 - 9.1. Information on basic physical and chemical properties (Explosive properties).
	9 - 9.1. Information on basic physical and chemical properties (Freezing Point).
	9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).
	9 - 9.2. Other information (Conductivity).
	9 - 9.2. Other information (Gas group).
	9 - 9.2. Other information (Surface tension).
	12 - 12.1. Toxicity.
	15 - Chemical Inventories/Right-to-Know Lists:.
Acronyms	ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by
	Rail (RID) and by Road (ADR).
	CAS No.: Chemical Abstracts Service.
	GHS: Globally Harmonized System.
	HCS 2012: Hazard Communication Standard (2012 revision).
	IATA: International Air Transport Association.
	ICAO: International Civil Aviation Organization.
	IMDG: International Maritime Dangerous Goods.
	LD: Lethal dose.
	OSHA: U.S. Occupational Safety and Health Administration.
	PEL: Permissible Exposure Limit.
	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.
200.0110	Eye Irrit. 2: H319 - Causes serious eye irritation.
	Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Maximum content of VOC	47.5 g/l.
Maximum content of VOC	47.5 g/l.

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

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Further information

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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