

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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BioSentry® Acid Tray Wash

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1.1. Product identifier

Product name	BioSentry® Acid Tray Wash			
Product code	D12204605, D12204609, D12204619			

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); [PC35] Washing and cleaning products (including solvent based products);
Description	Cleaner

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

I	24 hours:
l	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)

Further information

Manufactured By:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A.	
	HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation.	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Corr. 1B: H314:

2.2. Label elements

Hazard pictograms



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Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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

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		30 - 40%	Skin Corr. 1B: H314;
Glycolic acid		79-14-1	201-180-5		1 - 10%	Skin Corr. 1B: H314; Acute Tox. 4: H332;

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.

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4.2. Most important sympton	ns 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.
ngestion	Corrosive to living tissue. Causes severe burns. Danger of very serious irreversible effects. Ingestion may cause nausea and vomiting.
.3. Indication of any immed	iate medical attention and special treatment needed
	Remove the affected person from the source of contamination immediately. Transfer to hospital in there are burns or symptoms of poisoning. Immediate medical attention is required. If medical advice is needed, have product container or label at hand.
Further information	
	Refer to product label and/or package insert for additional information.
SECTION 5: Firefighting	measures
i.1. Extinguishing media	
	Use extinguishing media appropriate to the surrounding fire conditions.
.2. Special hazards arising	from the substance or mixture
	Corrosive. Do not breathe vapor or spray mist. Fire will produce dense black smoke.
i.3. Advice for firefighters	
	In case of fire and/or explosion do not breathe fumes. Do not breathe vapor or spray mist. Wear: Self-contained breathing apparatus, Protective equipment.
SECTION 6: Accidental r	elease measures
6.1. Personal precautions, p	rotective 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 precaution	ons
	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 fo	or containment and cleaning up
	Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers fo 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 secti	ons
	See Section(s) 2, 8, and 13 for further information.
SECTION 7: Handling an	d storage
7.1. Precautions for safe har	
	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 each of insufficient ventilation, wear quitable requirement Courses aver

working area. In case of insufficient ventilation, wear suitable respiratory equipment. Causes eye

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7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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.

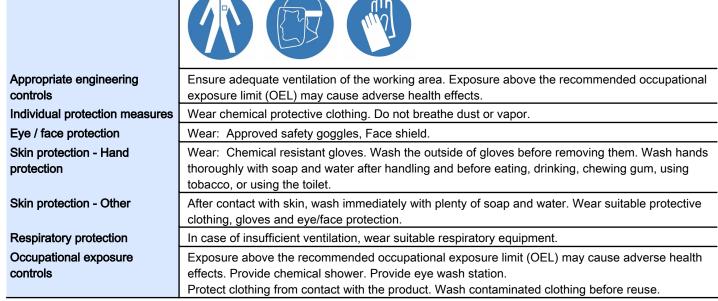
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

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



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8.2. Exposure controls	
	Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of food or feedstuffs.
Further information	
	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
SECTION 9: Physical a	nd chemical properties
9.1 Information on basic n	hysical and chemical properties

State Liquid Color Clear/Red Odor Characteristic

Odor threshold

pH No data available

Melting point No data available

Freezing Point No data available

Boiling point No data available

No data available

Boiling point
Flash point
Evaporation rate
Flammability limits
No data available
No data available
Not applicable.

Vapor pressure
Vapor density
Relative density
Partition coefficient
Autoignition temperature
No data available
No data available
No data available

Viscosity
Explosive properties
Oxidizing properties
Solubility
No data available
No data available
Soluble in water

9.2. Other information

VOC (Volatile organic compounds)

Not applicable.

SECTION 10: Stability and reactivity

10	.1		Rea	ctiv	/itv
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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 strong bases.

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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 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.
Paproductive toxicity	Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity STOT-single exposure	No teratogenic effects reported. 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	<u> </u>
	No data available
11.1.5. Hazard Class	·
	See Section(s) 2 and 4 for further information.
11.1.6. Classification Criteria	
	Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
11.1.7. Information on likely rout	tes of exposure
	Eye contact. Skin contact. Ingestion. Inhalation.
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.
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11.1.10. Interactive effects	
	No data available.
11.1.11. Absence of specific data	
	<1% of this mixture consists of ingredients of unknown acute toxicity.
11.1.12. Mixture versus substanc	e information
	See Section(s) 3 for further information.
11.1.13. Other information	
	Caution - substance not yet fully tested.
SECTION 12: Ecological infor	mation
12.1. Toxicity	
	No data available
12.2. Persistence and degradabili	ity
	No data is available on this product.
12.3. Bioaccumulative potential	
	No data is available on this product.
Partition coefficient	
	BioSentry® Acid Tray Wash No data available
12.4. Mobility in soil	
	No data is available on this product.
12.5. Results of PBT and vPvB as	ssessment
	No data is available on this product.
12.6. Other adverse effects	
	Contains substance(s) which are hazardous to the environment.
SECTION 13: Disposal consid	derations
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

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Disposal of packaging	
	national regulations.
Further information	
	Refer to product label and/or package insert for additional information.
SECTION 14: Transport info	rmation
Hazard pictograms	
nazaru pictograms	
14.1. UN number	
	UN3264
14.2. UN proper shipping name	
	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid)
14.3. Transport hazard class(es)
DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-
14.4. Packing group	
Packing group	l II
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
DOT	
Hazard ID	80
Tunnel Category	(E)
IMDG	
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1L
SECTION 15: Regulatory inf	ormation

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

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

Chemical Inventories/Right-to-Know Lists:

Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

--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: Not 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].

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].

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].

Poisonous and Deleterious Substances Act (Japan): Deleterious substance, [Glycolic acid, CAS No. 79-14-1].

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].

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, [Phosphoric acid, CAS No. 7664-38-2]. Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.

Hazardous Substances Act (Thailand): Type 1, [Phosphoric acid, CAS No. 7664-38-2]. Law on Chemicals (Vietnam): Annex I, Appendix V, Appendix VII, [Phosphoric acid, CAS No. 7664-38-2].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Class 8.

Australian Inventory of Chemical Substances (AICS): Priority Existing Chemical, [PEC 12, Glycolic acid, CAS No. 79-14-1].

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): 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.

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

Pennsylvania Right to Know Law: Phosphoric acid.

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

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

California residents please note.

California Prop 65: This material contains no reportable components.

California Cleaning Product Right-to-Know Act of 2017 (SB 258): See <u>Attachment A</u> for complete list and additional information.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Phosphoric acid% (Phosphoric acid)	Υ	Υ	N	N	N	N	Υ	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 2.1.2. Classification GHS.
- 2 Precautionary Statement: Prevention.
- 2 Precautionary Statement: Response.
- 2 Precautionary Statement: Storage.
- 2 Precautionary Statement: Disposal.
- 4 Further information.
- 7 7.2. Conditions for safe storage, including any incompatibilities.
- 7 Further information.
- 8 Further information.
- 9 9.1. Information on basic physical and chemical properties (PH).
- 9 9.1. Information on basic physical and chemical properties (Boiling point).
- 9 9.1. Information on basic physical and chemical properties (Explosive properties).
- 9 9.2. Other information (Product Subcategory).
- 10 10.5. Incompatible materials.
- 11 11.1.4. Toxicological information.
- 11 Repeated or prolonged exposure.
- 11 11.1.7. Information on likely routes of exposure.
- 12 12.1. Toxicity.
- 12 12.6. Other adverse effects.
- 13 Further information.
- 14 DOT.
- 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).

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.

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Other information	
	OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals. SVHC: Substance of very high concern. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound.
Text of Hazard Statements in Section 3	WEL: Workplace Exposure Limit. 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. Acute Tox. 4: H332 - Harmful if inhaled.
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 OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.



Attachment A

(Refer to the accompanying SDS for information on hazards)

	BioSentry® Acid	Tray Wash	
	-	·	
Chemical Name	CAS No.	Function	List(s)
Water	7732-18-5	Diluent	Not applicable
Phosphoric Acid	7664-38-2	Cleaning agent	Not applicable
Glycolic Acid	79-14-1	Cleaning agent	Not applicable

Alternate product names:

Acid Tray Wash

For use with SDS:

Product Name: BioSentry® Acid Tray Wash

Product Code: D12204603, D12204609, D12204619

Version Date: 02-Dec-2019

Revision: 2

Replaces: 09-Oct-2018